

of India

COTTON STATISTICS & NEWS

Edited & Published by Amar Singh

2021-22 • No. 18 • 3rd August, 2021 Published every Tuesday

Cotton Exchange Building, 2nd Floor, Cotton Green, Mumbai - 400 033 Telephone: 8657442944/45/46/47/48 Email: cai@caionline.in www.caionline.in

Technical Analysis

Price outlook for Gujarat-ICS-105, 29mm and ICE cotton futures for the period 3rd August 2021 to 6th September 2021

Shri. Gnanasekar Thiagarajan is currently the head of Commtrendz Research, an organization which, specializes in commodity research and advisory to market participants in India and overseas. He works closely with mostly Agri-Business, base

metals and precious metals business corporates in India and across the globe helping them in managing their commodity and currency price risk. Further to his completing a post graduate in software engineering, he did a long stint with DowJones, promoters of "The Wall Street Journal" and had the opportunity of closely working with some of the legends in Technical Analysis history in the U.S.

His columns in The Hindu Director, Com Business Line have won accolades in the international markets. He also writes a fortnightly column on a blog site for The Economic Times on Global commodities and Forex markets. He

We will look into the Gujarat-ICS-105, 29mm prices along with other benchmarks and try to forecast price moves going forward.

As mentioned in the previous update, fundamental analysis involves studying and analysing various reports, data and based on that arriving at some possible direction for prices in the coming months or quarters.

is a part an elite team of experts for moneycontrol. com in providing market insights. He was awarded "The Best Market Analyst", for the category-Commodity markets- Bullion, by then President of India, Mr. Pranab Mukherji.

He is a consultant and advisory board member for leading corporates and commodity exchanges in India and overseas. He is regularly invited by television channels including CNBC and ET NOW and Newswires like Reuters and Bloomberg, to opine on the commodity and forex markets. He has conducted training sessions for markets participants at BSE, NSE, MCX and

IIM Bangalore and conducted many internal workshops for corporates exposed to commodity price risk. He

has also done several training sessions for investors all over the country and is also a regular speaker at various conferences in India and abroad.



Shri Gnanasekar Thiagarajan Director, Commtrendz Research

Some of the recent fundamental drivers for the domestic cotton prices are:

• Cotton futures in MCX are higher on rising demand and depleting stocks. Strong demand from cotton market and depleting stocks in addition to the 10 per cent import duty levied on cotton have collectively caused cotton prices in India to soar.

- The high demand has caused cotton stock with the CCI to deplete to around 9 lakh bales (which would be its opening stock at the beginning of the next season on October 1), which in turn pushed up the prices. The Corporation had close to 115 lakh bales of cotton at the start of the current season in October 2020 and procured 92 lakh bales during the season. Farmers are increasingly shifting from cotton to soybean, with India reporting cotton sowing of 108.93 lakh hectares as of the third week of July, compared to 118.03 lakh hectares during the same time in 2020.
- Additionally, the U.S.A, the largest producer of cotton in the world, slipped down as the state of Texas faced a severe drought last year, thus causing cotton prices in India to firm up since December 2020.
- The Southern India Mills' Association (SIMA) had recently expressed its concerns over the rapidly rising cotton prices in the country. The SIMA chairman had also appealed to the central government to immediately withdraw the 10 per cent import duty on cotton to change the market sentiment and avoid further damage to the cotton textile value chain.

Some of the fundamental drivers for international cotton prices are:

- ICE cotton was helped up by strength in the stock market and gains on Monday, their first session in a critical month for the crop. Contracts for December rose 0.8 cent, or 0.9%, to 90.19 cents per lb. They traded within a range of 89.01 and 90.2 cents a lb.
- Meanwhile, prices are balanced between good demand and what could be some record yields in some U.S. states, with Texas doing quite well. There's a prospect of a very good planting in Australia, so the market is balanced.
- The U.S. Department of Agriculture weekly crop progress report released on Monday showed 60% of the U.S. crop was in good-to-excellent condition, compared with 61% a week ago, and 45% a year ago.

Guj ICS Price Trend

As mentioned in the previous update, we expected the prices to test support levels and edge

higher again opening the way for 15,000 levels in the coming month or even higher. Prices have moved exactly as per expectations. Currently, it is looking a bit overdone and a strong correction will be seen shortly towards 14,500-700.



The MCX benchmark cotton finally broke the key resistance at 24,000 opening the way for



higher levels as per our expectations. At the present levels of 27,000, it indicates extreme overbought conditions, but after a minor correction to 26,200-300, could edge higher back again towards 28,000 levels

in the coming weeks. The trend is looking strong, but one has to be cautious, as such extreme moves have resulted in strong retracements subsequently.

ICE Cotton Futures

mentioned previously, prices could spend some time in consolidation in the 80-90c zone before preparing to rise higher now. A possible inverse head shoulder pattern is in the making, which indicates a bullish upside move in the making that indicates a possible break of 96c opening the way for 2011 high of \$1.15 on the upside. For now, prices could test strong resistances 95-96c, at which might need strong fundamental triggers beyond what is present currently. Supports on the downside are seen at \$86-87c now.





Conclusion

The domestic prices are hinting at some more upside in the coming weeks, but with the possibility of a strong downside correction subsequently. International cotton futures still continue to display bullish tendencies with possibilities of breakout on the upside to 95-96c immediately and further higher crossing the \$1 mark eventually. Important support is at 86-87c on the downside and in that zone, prices could find a lot of buying interest. The domestic prices are racing higher, inclined to test resistances and even break higher and make new highs. The international price indicates that it is just beginning to move higher as well and medium-term still looks quite bullish. We believe price could get supported around 86-87c range and gradually edge higher to levels mentioned above.

For Guj ICS supports are seen at 15,000/qtl and for ICE Dec cotton futures at 86c followed by 84c. The domestic technical picture looks bullish now, but extreme overbought conditions warn of an impending downside correction. The international prices are relatively more bullish compared to the domestic prices. We expect domestic prices to continue edging higher slowly from current levels. Therefore, we expect more bullishness ahead with possibilities of sharp corrections from time to time in domestic markets, and the international prices to gain sharply higher.

All India Weather Summary and Forecast

Weather Forecast for next 5 days

- ♦ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ♦ No significant change in maximum temperatures over most parts of the country during next 5 days.

Table-1 5 Day Rainfall Forecast (MID-DAY) 02-August-2021

Met-Sub-Division	02-Aug Today	03Aug Tue	04Aug Wed	05Aug Thu	06Aug Fri
1. Andaman & Nicobar Islands	FWS	FWS	FWS	WS	ws
2. Arunachal Pradesh	FWS	SCT	SCT	SCT	SCT
3. Assam & Meghalaya	FWS	FWS	SCT	SCT	FWS
4. N. M. M. & T.	FWS	SCT	SCT	SCT	FWS
5. S.H. West Bengal & Sikkim	WS	WS	ws	FWS	FWS
6. Gangetic West Bengal	SCT	FWS	WS	WS	FWS
7. Odisha	SCT	SCT	FWS	FWS	FWS
8. Jharkhand	SCT	SCT	SCT	FWS	FWS
9. Bihar	FWS	FWS	FWS	FWS	FWS
10. East Uttar Pradesh	SCT	SCT	FWS	FWS	FWS
11. West Uttar Pradesh	FWS	SCT	SCT	FWS	ws
12. Uttarakhand	WS	WS	WS	WS	ws
13. Haryana, Chd & Delhi	FWS	FWS	SCT	SCT	SCT
14. Punjab	SCT	SCT	SCT	SCT	SCT
15. Himachal Pradesh	FWS	FWS	FWS	FWS	FWS
16. J & K and Ladakh	SCT	SCT	SCT	SCT	SCT
17. West Rajsthan	SCT	SCT	SCT	SCT	ISOL
18. East Rajasthan	WS	ws	WS	WS	FWS
19. West Madhya Pradesh	WS	WS	WS	WS	WS
20. East Madhya Pradesh	ws	FWS	FWS	WS	ws
21. Gujarat Region	FWS	FWS	SCT	SCT	ISOL
22. Saurashtra & Kutch	SCT	SCT	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	SCT	SCT	FWS	FWS	FWS
27. Chhattisgarh	SCT	SCT	FWS	FWS	FWS
28. Coastal A. P. & Yanam	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. T.N., Puducherry & Karaikal	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	SCT	SCT	SCT
34. South Interior Karnataka	SCT	SCT	SCT	SCT	SCT
35. Kerala & Mahe	FWS	FWS	FWS	WS	WS
36. Lakshadweep	SCT	SCT	SCT	SCT	FWS

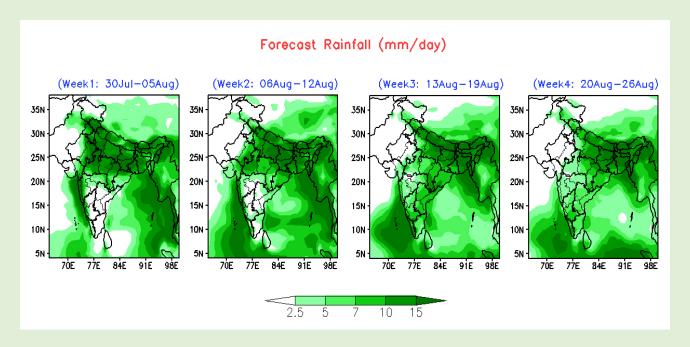
% Station Reporting Rainfall

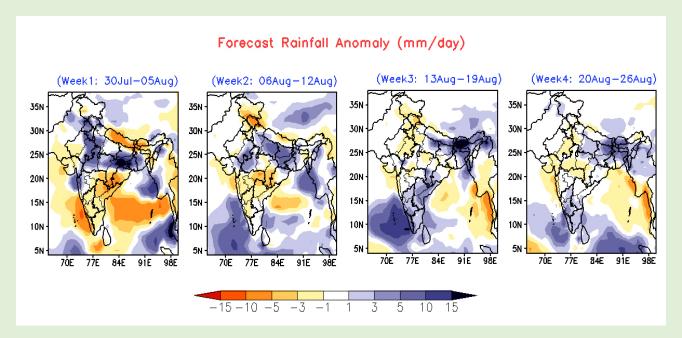
% Stations	Category	% Stations	Category
76-100		26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

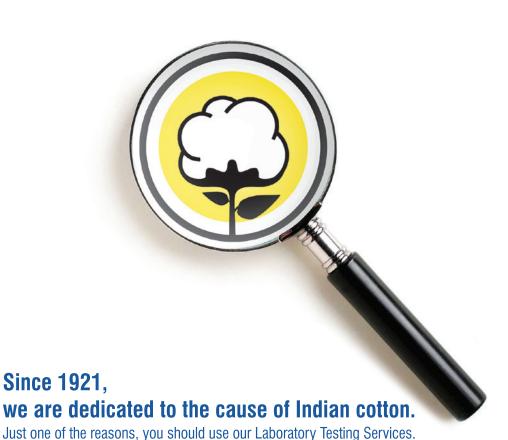
Weather Outlook for subsequent 2 days from 07th August 2021 to 09th August 2021

- ♦ Weak monsoon conditions likely over southern peninsula and normal monsoon conditions over the northern parts of the country.
- ♦ Fairly widespread to widespread rainfall likely over Northeastern parts of the country, parts of Central India & plains of Northwest India and along the West coast; scattered to fairly widespread rainfall likely over many parts of East India and Western Himalayan Region and isolated rainfall over rest parts of the country.

Extended Range Model Guidance







The Cotton Association of India (CAI) is respected as the chief trade body in the hierarchy of the Indian cotton economy. Since its origin in 1921, CAI's contribution has been unparalleled in the development of cotton across India.

The CAI is setting benchmarks across a wide spectrum of services targeting the entire cotton value chain. These range from research $\,$ and development at the grass root level to education, providing an arbitration mechanism, maintaining Indian cotton grade standards, issuing Certificates of Origin to collecting and disseminating statistics and information. Moreover, CAI is an autonomous organization portraying professionalism and reliability in cotton testing.

The CAI's network of independent cotton testing & research laboratories are strategically spread across major cotton centres in India and are equipped with:

- State-of-the-art technology & world-class Premier and MAG cotton testing machines
- HVI test mode with trash% tested gravimetrically

LABORATORY LOCATIONS

Current locations: • Maharashtra: Mumbai; Yavatmal; Aurangabad; Jalgaon • Gujarat: Rajkot; Ahmedabad • Andhra Pradesh: Adoni • Madhya Pradesh : Khargone • Karnataka : Hubli • Punjab : Bathinda • Telangana: Warangal, Adilabad



ISO 9001:2015

COTTON ASSOCIATION OF INDIA
Cotton Exchange Building, 2nd Floor, Opposite Cotton Green Railway Station, Cotton Green (East), Mumbai - 400 033, Maharashtra, INDIA Tel.: +91 8657442944/45/46/47/48 • E-mail: cai@caionline.in • www.caionline.in

Third Case Arch Third Arch	Colore C																							(Xamman)	1227
Colon 1879 Week	Control Cont												Ju	ly 2021											
Column C	Colon Colo												2020)-21 Cr	dc										
Colon 1988 135-10 136-	Carrolle	P/H/R (SG)		GUJ	KAR	M/M(P)	P/H/ R(U) (SG)	M/M(P)/ SA/TL												_				M/M(P)	K/TN
Fig. The	Fig.	ICS-201 I	_	CS-102	ICS-103	ICS-104	ICS-202																	ICS-107	ICS-107
2.5. 3.5. 3.5. 3.4. 3.4.4.	28m 28m <td>Fine</td> <td></td> <td>Fine</td> <td>Fine</td> <td>Fine</td> <td>Fine</td> <td>Fine</td> <td>Fine</td> <td>Fine</td> <td></td> <td>Fine</td> <td>Fine</td>	Fine		Fine	Fine	Fine	Fine	Fine	Fine	Fine														Fine	Fine
458 458 458 458 458 458 458 458 458 458	4.58 4.65 4.65 4.65 3.64 3.74 3.74 3.74 3.74 3.75 3.87 3.88 3.88 3.88 3.89 3.88 3.89 3.88 3.89 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 3.88 <th< td=""><td>Below 22 mm</td><td></td><td>22 mm</td><td>23 mm</td><td>24 mm</td><td>27 mm</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>35 mm</td><td>35 mm</td></th<>	Below 22 mm		22 mm	23 mm	24 mm	27 mm	_																35 mm	35 mm
1.005 11.08 1344 11810 1355 1210 1372 1372 1372 1372 1372 1414 1422 1421 1421 1425 1427 1437 1447 1647 1647 1647 1647 1647 1647 164	4.9 4.8 <td>5.0-7.0</td> <td></td> <td>4.0-6.0</td> <td>4.0-5.5</td> <td>4.0-5.5</td> <td>3.5-4.9</td> <td></td> <td>2.8-3.7</td> <td>2.8-3.7</td>	5.0-7.0		4.0-6.0	4.0-5.5	4.0-5.5	3.5-4.9																	2.8-3.7	2.8-3.7
1005 11688 1385 11810 13526 1210 13273 13779 13807 14004 1402 14177 12101 14510 1487 1507 15100 15466 23621 23234 10005 11688 1385 11810 13526 1210 13273 13807 13779 13807 14004 1402 14177 14201 14510 1487 1507 15100 15466 23621 23234 10005 11688 1358 1310 13582 1210 13273 13807 1379 13807 1404 1402 1425 14312 14510 1487 1487 1507 15100 15466 23621 23234 10005 11688 1358 1368 13723 13807 13273 1386 1414 14201 1425 14312 1462 1494 14904 15129 15127 15166 2424 2466 2462 1462 1462 1462 1462 1	18	4.5%		13%	4.5%	4%	4.5%	4%	4%		3.5%													4%	3.50%
10.09 116.88 1344 11810 1382 12120 13273 13870 13870 13870 14040 4048 4172 4201 4510 4547 4547 4547 5570 1546 2452 2520 1005 1068 1388 11810 1388 1322 1324 1324 1444 4201 4258 4158 4184 4447 5570 5500 5150 5157 5166 2452 5200 1017 11754 1366 11951 13887 1222 13413 1400 1400 1408 1425 1445 4763 510 5044 1549 1544 5167 5166 5246 5248 1017 11754 1366 11951 1387 1222 13413 1410 1400 1408 1425 1445 4763 510 5044 5121 5241 522 2465 5246 1017 11754 1388 1327 11951 1389 1222 13413 1410 1408 1408 1425 4454 4763 510 5044 5113 5241 552 2465 5249 1022 1183 1322 13413 1410 1408 1408 1425 4454 4763 510 5044 5113 5241 552 2465 5249 1022 1183 1222 13413 14116 1408 1408 1425 1445 1476 1616 5044 51213 5241 552 2465 5249 1022 1183 1232 13413 14116 1408 1408 1425 1445 1476 510 5044 5113 5241 552 2465 5249 1022 1183 1232 13413 14116 1408 1408 1408 1425 1445 1476 510 5044 5113 5241 522 2465 5249 1022 1183 1232 14114 1410 1408 1408 1425 1444 1445 1445 1476 510 5044 5249 5241	10.05 11.68 1344 1181 1358 1212 1325 1380 1379 1380 1408 1412 1425 1456 1484 1484 150 1516 1516 1005 1168 1348 1181 1166 1348 1342 1342 1342 1452 1456 1484 1484 1484 1517 1516	15 11782				23 11698	26 13385			, ,														35 24886	35 25308
10.09 11.68 1389 1312 1386 1385 1385 1385 1386 1400 1414 42.0 42.7 45.6 4847 54.7 57.0 1510 154.6 2418 2488 10.0 154.6 1348 1319 131	10.05 11.088 1389 11810 13638 12120 13273 13867 13867 13867 1444 14201 14285 14213 14621 14904 14904 15122 15157	11782				11698	13441				٠.														25308
9677 1072 11548 13582 11895 13272 13217 13399 13947 13414 14201 14285 14313 1460 14904 15102 15157 15466 24324 25462 5730 977 1078 1754 13660 15108 1382 1322 13413 14060 14080 14081 14285 14327 14461 14706 1494 15121 15241 1552 14765 5549 9778 1020 11828 1372 11951 13881 1272 13413 14060 1408 14285 14313 14426 14454 1476 15016 15044 15213 15241 1552 24746 5549 9778 1020 11828 13751 11951 13891 12222 13413 14116 14060 1408 14285 14313 14426 14454 1476 15016 15044 15213 15241 1552 24746 5549 9778 1020 11828 13751 11951 13891 12222 13413 14116 14060 1408 14285 14454 1476 15016 15044 15213 15241 1552 24746 5549 9778 1020 11828 13751 11951 13891 12222 13413 14116 14060 1408 14285 14454 1476 15016 15044 15213 15241 1552 24746 5549 9779 1020 11828 13751 11951 13891 12222 13413 14116 14060 1408 14285 14454 1476 15016 15044 15213 15241 1552 24746 5549 9779 1020 11828 13751 11951 13891 12222 13413 14116 14060 1408 14285 14454 1456 1454 1476 15016 15044 15213 15241 1552 2476 5549 9779 1020 11828 13751 11951 13891 1222 13413 14116 14060 1408 14285 14454 1456 1454 1476 14791 14454 14707 1487 1487 1487 1487 1487 1487 1487 148	9617 10123 11688 13522 11895 13723 12176 13329 13947 13919 13947 14144 14201 14285 14313 14605 14904 1512 13859 12123 13413 14080 1409 1408 14285 14456 14451 14707 14960 14960 1498 14285 1428 14452 14456 15016 15044 15213 15241 15522 9773 10724 11810 13649 11951 13895 12222 13413 14406 1408 14285 14313 14426 14454 1476 15016 15044 15213 15241 15522 9773 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14313 14426 14454 1476 15016 15044 15213 15241 15522 9773 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14311 14426 14454 1476 15016 15044 15213 15241 15522 9773 10320 11838 13751 11951 13891 1222 13413 14116 14060 14088 14285 14311 14426 14454 14763 15016 15044 15213 15241 15522 9773 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14311 14426 14454 14763 15016 15044 15213 15241 15522 9773 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14311 14426 14454 14763 15016 15044 15213 15241 15522 9773 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14351 14426 14454 14451 15260 15891 12222 13413 14126 14454 14501 14452	11782		9561	10095	11698	13498		٠.	' '										' '					25870
9673 10179 11754 1366 11951 13887 12222 13435 4402 44024 14029 14225 14359 14307 14707 14960 1998 15185 15213 15241 1552 2446 5249 978 10028 10828 13752 11951 13885 1222 13413 1408 14060 14088 14285 14251 14251 1456 15016 15044 15213 15241 1552 2474 52449 978 10220 11828 13751 11951 13881 1222 13413 14116 14060 14088 14285 14245 14761 15016 15044 15213 15241 1552 2474 52449 978 10220 11828 13751 11951 13891 12222 13413 14116 14060 14088 14285 14454 14761 15016 15044 15213 15241 1552 2474 52449 979 10320 11828 13751 11951 13891 12222 13413 14116 14060 14088 14285 14454 14761 15016 15044 15213 15241 1552 2474 52449 979 10320 11828 13751 11951 13891 12222 13413 14116 14060 14088 14285 14451 14561 15016 15044 15213 15241 1552 2474 52449 979 10320 11828 13851 12221 13413 14116 14060 14088 14285 14451 14501 14624 1476 15016 15044 15213 15241 1552 2474 52449 979 10320 11828 13835 12025 1347 14116 14060 14088 14285 14451 14510 14621 14620 15016 15044 15213 15241 1552 2474 5246 5449 972 10320 11828 13835 12025 13476 14451 14510 14621 14620 14021 15185 15185 15185 1528 1528 1528 1528	9673 (10179 11754 13666 11951 13807 12232 13435 14022 4004 14032 14257 1436 14397 14707 14960 14988 15315 15341 15529 9781 (10202 11888 1372) 11951 1385 12222 13441 1408 1408 1408 14285 14351 14426 14454 1476 15016 15044 15213 15241 15522 9788 (10202 11888 1372) 11951 1386 1222 13441 1408 1408 1408 14285 14341 14426 14454 1476 15016 15044 15213 15241 15522 979 (10202 11888 13751 11951 13891 12222 13441 1416 14060 14088 14285 14341 14426 14454 1476 15016 15044 15213 15241 15522 979 (10202 11888 13751 11951 13891 12222 13441 1416 14060 14088 14285 14341 14426 14454 1476 15016 15044 15213 15241 15522 979 (10202 11888 13751 11951 13891 12222 134413 14116 14060 14088 14285 14341 14426 14454 1476 15016 15044 15213 15241 15522 979 (10202 11888 13751 11951 13891 12222 134413 14116 14060 14088 14285 14341 14426 14454 14763 15016 15044 15213 15241 15522 979 (10202 11888 13751 11951 13891 12222 134413 14116 14060 14088 14285 14454 14454 14763 15016 15044 15213 15241 15522 979 (10202 11888 13875 11951 13891 12222 134413 14416 14060 14088 14285 14351 14426 14545 14763 15016 15044 15213 15241 15522 979 (10202 11888 13875 11954 13891 12222 134413 14416 14060 14088 14285 14564 14554 14763 15016 15044 15213 15241 15249 14285 14286 14454 14510 14454 14510 14524 14510 14524 14510 14524 14510 14524 14510 14524 14510 14524 14510 14524 14510 14524 14510 14524 14510 14524 14510 14524 14524 14510 14524 14524 14524 14510 14524 15224 14524 15224 14524 15224 14524 14524 14524 14524 14524 14524 14524 14524 14524 14524 14524 15224 15224 15224 14524 14524 15224 14524 14524 15224 14524 14524 14524 14524 14524 14524 14524 14	11810		2196	10123	11698	13582			12176]							 	 	((25589	26011
9701 10256 11810 13694 11951 13835 12232 13413 14060 14060 14088 14285 14426 14451 14763 15016 15044 15213 15241 15522 24465 52499 9788 10292 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14313 14426 14454 14763 15016 15044 15213 15241 15522 24746 52449 9789 10292 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14351 14456 14454 14763 15016 15044 15213 15241 15522 24746 52449 9729 10292 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14351 14456 14454 14763 15016 15044 15213 15241 15522 24746 52449 9729 10292 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14451 14456 14454 14763 15016 15044 15213 15241 15522 24746 52449 9729 10292 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14451 14450 14454 14763 15016 15044 15213 15241 15522 24746 52449 9729 10292 11838 13947 12202 14088 12322 13413 14116 14060 14088 14285 14450 1	9701 10236 11810 13694 11951 13885 12222 13413 14060 14088 14285 14285 14456 14763 15016 15044 15213 15241 15522 9728 10320 11838 13723 11951 13891 12222 13413 1416 14060 14088 14285 14313 14426 14454 14768 15016 15044 15213 15241 15522 9728 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 1431 14426 14454 14768 15016 15044 15213 15241 15522 9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14454 14768 15016 15044 15213 15241 15522 9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14454 14768 15016 15044 15213 15241 15522 9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14454 14768 15016 15044 15213 15241 15522 9729 10320 11838 13947 12220 14088 12417 13426 14454 14510 14459 14763 1506 15044 15213 15241 15522 9729 10320 11838 13494 12422 14328 14454 14510 14459 14763 1504 15289 15322 15401 15572 9729 10320 11838 13497 12220 14088 12417 13425 1425 1426 14260 14287 14763 1504 15289 15322 15401 15572 9729 10320 11838 13497 12220 14088 12417 13429 14527 14421 14459 14501	11867		6296	10179	11754	13666			12232										٠.				25729	26152
978 10292 11888 13721 11951 13887 12222 13413 14108 14088 14285 14313 14426 14454 14763 15016 15044 15213 15241 15522 24746 52449 9729 10320 11888 13751 11951 13891 12222 13413 14116 14060 14088 14285 14351 14426 14454 14763 15016 15044 15213 15241 15522 24746 52449 9729 10320 11888 13751 11951 13891 12222 13413 14116 14060 14088 14285 14454 14763 15016 15044 15213 15241 15522 24746 52449 9729 10320 11888 13751 11951 13891 12222 13413 14116 14060 14088 14285 14454 14763 15016 15044 15213 15241 15522 24746 52449 9729 10320 11888 13751 11951 13891 12222 13413 14116 14060 14088 14285 14426 14763 15016 15044 15213 15241 15522 24746 52449 9729 10320 11888 13957 1210 14088 12313 13491 14131 14169 14426 14426 14426 14763 15016 15044 15213 15241 15252 24746 52449 9729 10320 11888 13947 12120 14088 12313 13494 14131 14369 14379 14460 14876 14761 14876 15044 15289 15394 15222 15401 15578 24888 25561 9729 10320 11888 13947 12120 14088 12313 13494 14513 14369 14370 14476 1447	978 1029 11838 1372 11951 13861 1222 13413 14106 1408 1428 14315 14426 14454 1476 15016 15044 15213 15241 15522 972 10320 11838 13751 11951 13891 17222 13413 14116 14060 1408 1428 14426 14454 1476 15016 15044 15213 15241 15522 972 10320 11838 13751 11951 13891 17222 13413 14116 14060 1408 1428 14426 1445 1476 15016 15044 15213 15241 15522 972 10320 11838 13751 11951 13891 12222 13413 14116 14060 1408 1428 1428 1445 1476 15016 15044 15213 15241 15522 972 10320 11838 13751 11951 13891 12222 13413 14116 14060 1408 1428 1428 1428 1476 15016 15044 15213 15241 15522 972 10320 11838 13947 1222 1408 1232 13413 14116 14060 1408 1428 1428 14426 1445 1476 15016 15044 15213 15241 15522 972 10320 11838 13947 1222 1408 1232 13413 14116 14060 1408 1428 1428 1428 1428 1428 1428 1428 142	11867			10236	11810	13694																	25870	26292
978 10320 11888 13751 11951 13891 12222 13413 14116 14060 14088 14285 14313 14426 14454 14763 15016 15044 15213 15241 15522 24746 25449 9729 10320 11888 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14454 14763 15016 15044 15213 15241 15522 24746 25449 9729 10320 11888 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14561 16161 15044 15213 15241 1522 24746 25449 9729 10320 11888 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14561 16161 15044 15213 15241 1522 24746 25449 9729 10320 11888 13751 11951 13891 12232 13413 14116 14060 14088 14285 14426 14561 14621 14676 15016 15044 15213 15241 1522 24746 2549 9729 10320 11888 13751 11951 13891 12232 13413 14116 14406 14408 14285 14426 14510 14622 14650 14932 15157 15185 15282 15282 15450 15282 14487 15175 15185 15292 14487 15175 15185 15292 14487 15175 15185 15292 14487 15175 15187	978 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14456 1516 15044 15213 15241 15522 972 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14456 1516 15044 15213 15241 15522 972 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14456 1516 15044 15213 15241 15522 972 10320 11838 13957 1232 13413 14116 14060 14088 14285 14341 14426 14456 1516 15044 15213 15241 15522 972 10320 11838 13957 1232 13413 14116 14060 14088 14285 14454 1475 1467 1510 15044 15213 15241 15522 972 10320 11838 13947 12222 13413 14116 14060 14088 14285 14454 1475 1467 1467 1510 15044 15213 15241 15522 15520 1540 1527 14454 1475 14454 1475 14454 1475 14454 1475 14457 1	11867	_	8226	10292	11838	13723			12232 1								 		(` '	- '		26011	26433
9729 10320 11838 13751 11951 13891 12222 13413 14116 4060 14088 14285 14341 14426 14454 14765 15016 15044 15213 15241 15522 24746 25449 9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14426 14454 14765 15016 15044 15213 15241 15522 24746 25449 9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14426 14456 14506 15041 15213 15241 15522 24746 25449 9729 10320 11838 13947 12120 14988 12401 13382 14313 14250 14397 14566 1456 14765 15016 15044 15202 15391 15322 24746 25449 9729 10320 11838 13947 12120 14988 12401 13382 14313 14359 14397 14566 14566 14765 1504 15280 15297 15494 15522 15691 15382 25561 9729 10320 11838 13947 12420 14259 14257 14201 14399 14579 14560 14589 14201 14591 14590 14588 15297 15494 15562 15691 15582 15882 15563 15882 15563 15882 15563 15882 15563 15882 15494 154	9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14454 14763 15016 15044 15213 15524 15522 19320 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14456 14561 15061 13891 12223 13413 14116 14106 14088 14285 14341 14426 14456 14561 15061 13891 12223 13413 14116 14106 14088 14285 14341 14426 14452 14561 15162 15104 15213 15241 15522 15579 10320 11838 13835 12023 13804 14213 14152 14201 14369 14426 14426 14426 14592 15157 15185 15382 15407 15579 10320 11838 13847 12223 14308 12401 13582 14313 14369 14420 14427 14426 14426 14426 14592 15157 15185 15382 15401 15579 19320 10320 11838 13847 1222 14308 12401 13582 14451 14566 1456 14592 14561 14592 1566 14594 15591 15979 15979 10320 11838 13847 1222 14428 12429 14527 1428 14429 14501 14501 14566 14594 15616 15044 15185 15401 15401 15579 15972 10320 11838 13847 12429 14227 12429 14527 14228 14450 14501	11867	_		10320	11838	13751																	26011	26433
9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14454 14763 15016 15044 15121 15241 15522 24746 25449 9729 10320 11838 13751 11951 13891 12222 13413 14416 14060 14088 14285 14341 14426 14454 14763 15016 15044 15121 15241 15522 24746 25449 9729 10320 11838 13957 12222 14088 12421 14369 14420 14426 14558 1456 14932 15157 15153 15341 15522 24746 25449 9729 10320 11838 13947 12120 14088 12421 14459 14459 14450 14420 14456 14566 14932 15157 15153 15392 15410 15578 24888 25561 9729 10320 11838 13947 12120 14088 12572 14269 14392 14459 14470	9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14454 14761 15016 15044 15213 15241 15522 9729 10320 11838 13751 11951 13891 12222 13413 14116 14060 14088 14285 14341 14426 14454 14761 14452 14451 14701 14452 14451 14510 14082 14382 14362 13382 13382 13382 13382 13382 13382 13382 1338 13482 13481 1338 134894 13313 14369 14369 14364 14564 14564 14564 14667 14667 15016 15049 15328 15410 15578 9729 10320 11838 13947 12222 14088 12247 1313 14369 14397 14707 14707 14877 14904 15185 15382 15494 15591 15972 9729 10320 11838 13947 12222 14088 12241 14560 14564 14564 14564 14564 14564 14569 14669	11867	_		10320	11838	13751													٠.	` '			26011	26433
9729 10320 11838 13835 12035 13976 12317 13498 14216 14060 14088 1426 14426 14456 14476 15072 15100 15297 15325 15578 24588 25561 9729 10320 11838 13835 12035 13976 12317 13498 14210 14172 14201 14269 14426 14538 14566 14484 15707 15100 15297 15325 15578 24588 25561 9729 10320 11838 13947 12120 14088 12247 14258 14451 14260 14848 12547 15072 15100 15297 15494 15522 15691 24838 25561 9729 10320 11838 14088 12273 14229 14285 12451 14291 14201 14401	9729 10320 11838 13855 12035 13976 12317 13498 14201 14172 14201 14369 14426 14454 14763 15016 15044 15213 15241 15572 9729 10320 11838 13835 12035 13976 12317 13498 14201 14172 14201 14369 14426 14566 14847 15072 15100 15297 15325 15578 9729 10320 11838 13847 12120 14088 12347 1313 14369 14426 14510 14622 14650 14904 15185 1518 15382 15410 15578 9729 10320 11838 14088 12373 14229 14285 12410 14432 14287 14451 14451 14459 14581 14561 14879 14501 14879 14870 14875 14904 15185 1518 15382 15691 15747 1577 15972 9738 10348 11867 14144 12429 14285 12710 13919 14510 14528 14450 14519 15016 15044 15383 15645 14549 15691 15749 15972 9738 10348 11867 14144 12429 14285 12710 13919 14510 14528 14429 14429 14289 15174 15175 15104 15104 11895 14201 12457 14441 12429 14257 14441 12429 14287 14450 14510 144819 15016 15044 15323 15620 15560 15747 15775 15972 9738 10348 11867 14144 12429 14287 14450 1445	11867	_	9729	10320	11838	13751			12232										' '	٠, ,			26011	26433
9729 10320 11838 13835 12035 13976 12317 13498 14201 14172 14201 14369 14426 14538 14566 14847 15072 15100 15297 15352 15578 24588 25561 9729 10320 11838 13947 12120 14088 12401 13382 14313 1429 1437 1436 1436 1437 14460 1458 1450 14622 14660 14932 15185 15185 15382 15410 15578 24588 25561 9729 10320 11838 14988 12527 12429 12654 13832 14424 14510 14588 14507 14470 14490 15185 15185 15329 15461 15578 15429 1558 1582 1582 1582 1582 1582 1582 1582	9729 10320 11838 13847 12120 14088 12401 13582 14313 14257 14285 14454 14510 14622 14650 14947 15072 15107 15185 15382 15410 15578 9729 10320 11838 13947 12120 14088 12401 13582 14313 14257 14285 14454 14510 14622 14650 14932 15157 15185 15382 15410 15578 9729 10320 11838 13947 12120 14088 12241 13689 12431 14689 14397 14566 14594 14451 14707 147	11867	_	9729	10320	11838	13751			$\overline{}$														26011	26433
9729 10320 11838 13947 12120 14088 12401 13582 14313 14257 14285 14541 14510 14622 14650 14923 15157 15185 15382 15410 15578 24588 25561 9729 10320 11838 13947 12122 14088 12513 13694 14313 14369 14375 14566 14566 14566 14568 14575 14575 15105 15494 15522 15691 24858 25561 9729 10320 11838 14088 12573 14229 12654 14510 14538 14566 14594 14504 15185 15410 15438 15655 15631 15322 24588 25561 9738 10320 11838 14088 12373 14229 12552 12710 13919 14538 14566 14594 14507 14707 14707 14707 14709 14817 14701 14709 14818 15522 15501 15779 15772 14818 1578 1578 1578 1578 1578 15607 15822 15507 15779 15772 14707 14707 14707 14707 14701 14819 15072 15108 15494 15607 15822 15806 16028 16056 16310 2579 26710 10041 10045 11951 14349 12570 14481 12570 14482 12857 14144 14701 14877 14875 1577 15404 15325 15535 15537 15607 15802 15605 16310 2579 26011 10045 11951 14349 12570 14481 12570 14481 12570 14487 14875 1575 1570 15404 15523 15535 15501 15801 15902 16028 16056 16310 2579 26011 10045 11951 14369 12570 14510 12879 14172 14819 14904 14904 15127 15408 15603 15801 16028 16056 16310 2579 26011 10045 11951 14369 12570 14510 12879 14172 14819 14904 14904 15128 15601 15488 15601 16028 16056 16010 15007 14406 12879 14172 14819 14904 14904 15128 15607 15832 15860 16028 16056 16010 2579 26011 10045 11951 14369 12570 14510 12879 14172 14819 14904 14902 15466 15409 15488 15601 15832 15860 16028 16056 16010 2579 26011 10047 16050 12070 14450 14879 14877 14875 15072 15401 15408 15601 15832 15860 16028 16056 16010 15007 14450 14502 14501 15404 15729 15407 15407 15507 15507 15507 15407 15407 15407 15407 15407 15407 15507	9729 10320 11838 13947 12120 14088 12401 13582 14313 14259 14259 14510 14622 14650 14992 15157 15185 15382 15410 15578 9729 10320 11838 13947 12120 14088 12513 13694 14313 14369 14397 14566 14566 14735 14763 15044 15269 15297 15494 15522 15691 15972 10320 11838 14088 12513 14269 14510 14538 14767 14877 14875 14994 15185 15410 15438 15635 15663 15832 15691 15972 10320 10320 11838 14088 12273 14229 12654 13835 14666 14594 14791 14870 14870 14875 14994 15185 15410 15438 15691 15791 15972 15973 15460 14988 13297 14441 12429 14520 14550 14560 14991 14791 14871 14871 15061 15949 14501 15450 14501 14891 15071 15049 14510 15488 15522 15550 15747 15775 15972 15	11867	_	9729	10320	11838	13835											 						26123	26545
9729 10320 11838 13947 12232 14088 12513 13694 14313 14369 14397 14566 14566 14735 14763 15044 15185 15410 15438 15522 15691 24858 25561 9729 10320 11838 14088 12373 14229 12654 13835 14454 14510 14538 14707 14870 14875 14904 15185 15410 15438 15635 15663 15832 24858 25561 9738 10348 11867 14144 12429 14257 14341 1276 14399 14558 14656 14594 14847 14871 15106 15044 15355 15521 15561 15771 15775 15972 24858 25561 9874 10404 11895 14209 14257 14341 1276 14594 14622 14650 14819 15072 151100 15438 15521 15561 15719 15972 24858 25561 9870 10404 11895 14209 14257 14341 1276 14399 14622 14650 14819 15072 151100 15438 15591 1591 1591 1591 15972 24858 25561 9870 10404 11895 14209 14257 14341 14709 1444 14709 14487 14875 15404 15127 15481 15491 1550 14482 1550 14501 1520 14482 15800 14482 12851 14444 14701 1444 1	9729 10320 11838 13947 12232 14088 12513 13694 14313 14369 14397 14566 14566 14735 14761 1504 15269 15297 15494 15522 15691 9729 10320 11838 14088 12373 14229 12654 13835 14454 14510 14538 14707 14707 14875 14904 15185 15410 15438 15635 15635 15832 15822 10320 11838 14088 12373 14229 1285 12710 13919 14538 14566 14594 14791 14906 14988 15297 15466 15494 15691 15799 15972 9758 10348 11867 14144 12429 14252 12710 13919 14510 14504 14510 14504 15150 15100 15446 15522 15550 15747 15775 15972 9873 10404 11895 14209 14257 14219 14407 14735 14763 15044 15157 15185 1532 15520 15747 15775 15972 15041 10404 11895 14269 14257 14219 14407 14775 14775 15175 15175 15185 15404 1563 15805 16505 16510 10011 10545 11951 14369 12570 14482 12873 14404 14791 14447 14475 14519 14904 14932 15185 15042 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14569 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14569 12570 14510 12454 14960 15044 15072 15187 15190 1546 15494 15777 15818 14529 15777 15100 15410 15297 15607 15707 15410 15429 15707 15410 15429 15707 15410 15428 15607 15507 15410 15428 15607 15507 15410 15428 15607 15507 15410 15429 15707 15410 15429 15707 15410 15297 15507 15410 15428 15607 15507 15410 15428 15507 15410 15429 15507 15410 15429 15507 15410 155	11867	_	9729	10320	11838	13947																	26123	26545
9729 10320 11838 14088 12373 14229 12654 13835 14454 14510 14538 14707 14707 14875 14904 15185 15410 15428 15653 15654 14887 14791 14791 14847 14791 14847 14791 14847 14791 14847 14875 15172 1	9729 10320 11838 14088 12373 14229 12654 13835 14454 14510 14538 14707 14707 14707 14875 14904 15185 15410 15438 15635 15635 15875 1	11867	_	9729	10320	11838	13947			$\overline{}$, ,				26123	26545
9758 10348 11867 14144 12429 14285 12710 13919 14538 14566 14594 14791 14791 14960 14988 15297 15466 15494 15691 15719 15972 24858 25561 9758 10348 11867 14144 12429 14257 12710 13919 14510 14566 14594 14847 14791 14819 15076 15044 15353 15522 15550 15747 15775 15972 24858 25561 9814 10404 11895 14201 12457 14341 1276 14394 14462 144904 14491 1570 14481 1579 14501 15488 15578 15607 15832 15860 16028 16056 16310 25730 9870 10461 11923 1426 12823 14482 12851 14441 14791 14847 14875 15157 15185 15494 15663 15891 15916 15944 16169 25027 25870 10011 10545 11951 14340 12570 14412 1270 14412 14791 14847 14875 1517 15187 15185 15494 15663 15891 15916 15944 16169 25027 25870 10011 10545 11951 14340 12570 14412 14791 14847 14875 1517 15187 15185 15494 15663 15891 15916 15944 16169 25027 25870 10011 10545 11951 14340 12570 14412 14419 14491 14491 144904 14992 15187 15410 15438 15691 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14412 14419 14491 144	9758 10348 11867 14144 12429 14285 12710 13919 14538 14566 14594 14791 14960 14988 15297 15466 15494 15691 15719 15972 9758 10348 11867 14144 12429 14257 12710 13919 14510 14566 14594 14847 14791 15016 15044 15353 15522 15550 15747 15775 15972 9814 10404 11895 14201 12457 14341 12766 13976 14594 14622 14650 14904 14891 15072 15100 15438 15578 15607 15832 15860 16028 9870 10461 11923 14285 12513 14426 12823 14060 14707 14735 14763 15044 15325 15325 15353 1563 15691 15916 15944 16169 10011 10545 11951 14369 12570 14482 12851 14144 14791 14847 14875 15157 15104 15325 15353 1563 15691 1580 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14450 15044 15072 15325 15213 15550 15578 15607 15972 16066 16085 16233 16231 16238 16238 1	11867	_		10320	11838	14088											 		, .	, .			26123	26545
9758 10348 11867 14144 12429 14257 12710 13919 14510 14566 14594 14847 14791 15016 15044 15353 15522 15550 15747 15775 15972 24858 25561 9814 10404 11895 14201 12457 14341 12766 13976 14594 14622 14650 14904 14819 15072 15100 15438 15697 15807 15802 15806 16028 4942 25730 9870 10461 11923 14285 12513 14426 12823 14060 14707 14735 14763 15044 14904 15157 15185 15494 15663 15691 15916 15944 16169 25027 25870 10011 10545 11951 14369 12570 14482 12851 14144 14791 14847 14875 15157 15185 15410 15438 15691 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14410 12074 14172 14189 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14410 12074 14172 14189 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25290 26122 10011 10545 11951 14369 12570 14410 12074 14412 14410 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25290 26122 10011 10545 11951 14369 12570 14410 12879 14417 14410 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25420 26292 10011 10545 11951 14369 12570 14410 14454 14960 15044 15072 15310 15548 15693 15693 15972 16000 16169 16197 16450 25561 26433 10208 10742 12148 14594 12795 14755 1329 15157 15410 15297 15635 15635 15635 15635 16281 16535 15561 16439 1577 14410 15578 15607 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14755 14768 1577 15410 15297 15635 15636 15636 15636 15636 15636 15636 15636 15636 15636 15638 15630 15648 15649 15775 14404 14403 14403 14403 14403 14403 14403 14403 14407 14403 14407 14403 1	9758 11348 11867 14144 12429 14257 12710 13919 14510 14566 14594 14847 14791 15016 15044 15353 15522 15550 15747 15775 15922 9814 11895 14201 12457 14341 12766 13976 14594 14622 14650 14904 14819 15072 15100 15438 15578 15607 15832 15860 16028 9870 10461 11923 14285 12513 14426 12823 14060 14707 14735 14763 15044 15157 15185 15494 15663 15691 15916 15944 16169 10011 10545 11951 14369 12570 14412 12879 14172 14819 14904 14932 15185 15072 1510 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 14544 14960 15044 15072 15325 15213 15550 15578 15882 15916 16085 16233 16281 16356 100208 10742 12148 14594 12795 14735 13244 14542 14960 15044 15072 15241 1529 15578 15635 15635 15635 15635 15635 15635 16352 1635	11895	10	8226	10348	11867	14144		' '	٠, ,														26123	26545
9814 10404 11895 14201 12457 14341 12766 13976 14594 14622 14650 14904 14819 15072 15100 15438 15578 15607 15832 15860 16028 24942 25730 9870 10461 11923 14285 12513 14426 12823 14606 14707 14735 14763 15044 15157 15185 15494 15663 15691 15916 15944 16169 25027 25870 10011 10545 11951 14341 12570 14482 12851 14144 14791 14847 14875 15157 15044 15325 15353 15635 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25292 10011 10545 11951 14269 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25292 100151 10686 12002 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16058 16113 1636 25420 26292 10151 10686 12002 14510 12710 14650 13160 14454 14960 15044 15072 15120 15546 15494 15774 15888 15912 16085 16233 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15633 15972 16056 16085 16233 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13744 15129 15157 15410 15297 15635 15633 15972 16056 16085 16233 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13754 13576 13180 13487 14464 14004 14032 14172 14210 15540 15	9814 10404 11895 14201 12457 14341 12766 13976 14594 14622 14650 14904 14819 15072 15100 15438 15578 15607 15832 15860 16028 9870 10461 11923 14285 12513 14426 12823 14060 14707 14735 14763 15044 15157 15185 15494 15663 15691 15916 15944 16169 10011 10545 11951 14349 12570 14482 12851 14144 14791 14847 14875 15157 15044 15325 15353 15635 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14650 13020 14313 14875 14960 14988 15241 15129 15466 15494 15747 15888 15916 16085 16057 16050 16169 16197 16450 10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15410 15297 15653 15663 15605 16056 16035 16233 16231 16336 10038 10742 12148 14594 12795 14773 1388 15044 15129 15157 15410 15297 15635 15663 15605 16056 16035 16238 16238 16535 16058 16058 16238 16338 15414 14538 15044 14444 14464 144	11895	10		10348	11867	14144		` '	$\overline{}$								 	٠.	٠.					26545
9870 10461 11923 14285 12513 14426 12823 14060 14707 14735 14763 15044 15157 15185 15494 15663 15691 15916 15944 16169 25027 25870 10011 10545 11951 14340 12570 14482 12851 14144 14791 14847 14875 15157 15044 15325 15353 15635 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25420 26522 10011 10545 11951 1426 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25420 26292 10011 100545 11951 1426 12626 14566 13020 14313 14875 14960 14988 15241 15129 15466 15494 15747 15888 15916 16088 16038 16	9870 10461 11923 14285 12513 14426 12823 14060 14707 14735 14763 15044 15157 15185 15494 15663 15691 15916 15944 16169 10011 10545 11951 14349 12570 14482 12851 1444 14791 14847 14875 15157 15044 15325 15353 15635 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10057 10067 10067 10067 10067 10067 10067 10067 10067 10067 10067 10067 10067 10067 10067 10068 12007 14426 12626 13020 14313 14875 14960 15044 15072 15313 15550 15578 15832 15972 16000 16169 16197 14560 10028 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15635 15635 16056 16085 16233 16281 16335 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15635 15635 16056 16085 16233 16281 16338 10392 11698 13385 11810 13526 12120 13273 13751 13774 14644 14644 14638 15160 15368 15	11951	_		10404	11895	14201			$\overline{}$										٠.					26714
10011 10545 11951 14344 12570 14482 12851 14144 14791 14847 14875 15157 15044 15325 15353 15635 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25420 2629 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25420 2629 10011 10	10011 10545 11951 14341 12570 14482 12851 14144 14791 14847 14875 15157 15044 15325 15635 15635 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15822 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10057 10067 10061 12007 14426 12626 14566 13020 14454 14960 15044 15072 15325 15213 15550 15578 15832 15972 16000 16169 16197 16450 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15410 15297 15635 15633 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15633 15972 16056 16085 16253 16281 16535 16208 10708	12007			10461	11923	14285			` '															26855
10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25139 26011 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25280 26152 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25420 26292 10011 10545 11951 14456 12506 14510 12879 14172 14819 14904 14932 15185 15072 15410 15488 15691 15888 15916 16085 16113 16366 25420 26292 10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15321 15550 15578 15832 15972 16000 16169 16197 16450 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15074 15129 15157 15410 15297 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14458 15044 15129 15157 15410 15297 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14458 15044 15129 15157 15410 15297 15633 15972 16056 16085 16253 16281 16535 25561 26433 16208 10095 11698 13385 11810 13526 12120 13273 13779 13807 14004 14032 14172 14201 14510 14847 15072 15100 15466 23621 24324 16387 15677 14876 14876 15408 15578 15607 15507	10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14456 12626 14566 13020 14313 14875 14960 15044 15072 15410 15438 15691 15832 15860 16028 16056 16031 16067 10011 10007 14012 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 1563 15972 16000 16169 16197 16459 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15410 15578 15603 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15241 15578 15603 15972 16056 16085 16253 16281 16535 16208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15241 15578 15603 15972 16056 16085 16253 16281 16535 16208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15241 14535 15663 15972 16056 16085 16253 16281 16535 16508 10095 11698 13385 11810 13356 13376 13441 14464 14464 14463 15160 15368 15392 15509 15868	12063			10545	11951	14341			$\overline{}$				٠.				 ٠.						26573	26995
10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25280 26152 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25420 26292 10067 10601 12007 14426 12626 14566 13020 14313 14875 14960 15044 15129 15466 15494 15747 15888 15916 16085 16113 16366 25420 26292 10068 12092 14510 12710 14650 13160 14454 14960 15044 15172 15129 15560 15578 15802 15972 16000 16169 16197 16450 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14473 13375 13779 13807 14004 14032 14172 14201 14510 14847 15072 15100 15466 23621 24324 0824 16375 13779 13807 14004 14635 15460 14850 15588 1550 15588 1560 1560 1560 1560 1560 1560 1560 1560	10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10067 10601 12007 14426 12626 14566 13020 14313 14875 14960 14988 15241 15129 15466 15494 15747 15888 15916 16085 1613 16366 10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15325 15213 15550 15578 15832 15972 16000 16169 16197 16450 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15241 15578 15607 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15241 15578 15663 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15247 15578 15663 15972 16056 16085 16253 16281 16535 15609 11698 13385 11810 13526 12120 13273 13751 13779 13807 14004 14032 14172 14201 14847 15072 15100 15466 14664 14664 14664 13487 15072 15100 15466 14664 13466 15368 15392 15581 15609 15868	12063			10545	11951	14369			12879															26995
10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14992 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 25420 26292 10067 10601 12007 14426 12626 14566 13020 14313 14875 14960 14988 15241 15129 15466 15494 15747 15888 15916 16085 16113 16366 25420 26292 10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15325 15213 15550 15578 15832 15972 16000 16169 16197 16450 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15247 15578 15667 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15247 15578 15667 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15247 14510 14877 14847 14847 15072 15100 15466 25421 24324 14877 14308 13275 13779 13807 14004 14032 14172 14201 14510 14847 15072 15100 15466 23621 24324 14877 14876 14308 13273 13775 14444 14673 14484 14679 15486 15576 14484 14679 15486 15476 15486 15476 15486 15576 15487 15670 15588 15500 15588 15500 15588 15500 15588 15500 15588 15500 15588 15500 15588 15500 15588 15500 15588 15500 15588 15500 15588 15500 15588 15500 15580	10011 10545 11951 14369 12570 14510 12879 14172 14819 14904 14932 15185 15072 15410 15438 15691 15832 15860 16028 16056 16310 10067 10061 12007 14426 12626 14566 13020 14313 14875 14960 14988 15241 15129 15466 15494 15747 15888 15916 16085 16113 16366 10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15325 15213 15550 15578 15832 15972 16000 16169 16197 16450 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15241 15578 15607 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15241 15578 15663 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15241 15578 15663 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14433 13751 13779 13807 14604 14433 14487 14501 14847 15072 15100 15460 15468 1535 14407 14664 14641 14835 14863 15160 15368 15392 15581 15609 15868	12063			10545	11951	14369			12879														26714	27136
10067 10601 12007 14426 12626 14566 13020 14313 14875 14960 14988 15541 15129 15466 15494 15747 1588 15916 16085 16113 16366 25420 26292 10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15325 15213 15550 15578 15832 15972 16000 16169 16197 16450 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14473 13244 14538 15044 15129 15157 15410 15297 15633 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14473 13374 14574 14674 14032 14172 14201 14510 14847 14847 15072 15100 15466 23621 24324 0821 11875 14404 14032 14172 14201 14510 14847 15072 15100 15466 23621 24324 0821 11875 14404 14632 14674 14887 14887 15072 15100 15466 23621 24324 0821 14872 14004 14032 14741 14887 14887 15072 15100 15466 23621 24324 0821 14872 14004 14032 14741 14887 14887 15072 15100 15468 23621 24324 0821 14872 14004 14032 14741 14887 15072 15100 15466 23621 24324 0821 14872 14004 14032 14741 14887 15072 15100 15468 23621 24324 0821 14872 14004 14032 14741 14887 15072 15100 15468 23621 24324 0821 14872 14004 14032 14742 14887 15072 15100 15468 23621 24324 0821 14872 14872 14872 15072 15100 15468 23621 24324 0821 14872 14872 14872 15072 15100 15468 23621 24324 0821 16272 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15072 15100 15468 23621 24324 0821 14872 15	10067 10601 12007 14426 12626 14566 13020 14313 14875 14960 14988 15241 15129 15466 15494 15747 15888 15916 16085 16113 16366 10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15325 15213 15550 15578 15832 15972 16000 16169 16197 16450 10151 10686 12092 14510 12710 14650 13160 14454 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 15603 10095 11698 13385 11810 13526 12120 13273 13751 13779 13807 14604 14431 14863 15160 15360 15368 15392 15581 15609 15466 16085 16385 15603 15905 15888 15909 15468 15392 15588 15609 15868 15609 15868 15909 15868	12063			10545	11951	14369			12879					' '		٠.	٠.						26855	27276
10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15325 15213 15550 15578 15832 15972 16000 16169 16197 16450 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 9561 10095 11698 13385 11810 13526 12120 13273 13779 13807 14004 14032 14172 14201 14510 14847 15072 15100 15466 23621 24324 9873 13775 13775 13404 14635 14875 14875 1570 15581 15600 15868 23621 24324 9873 13775 13775 13404 14635 14875 15160 15585 15500 15581 15500 1558	10151 10686 12092 14510 12710 14650 13160 14454 14960 15044 15072 15325 15213 15550 15578 15832 15972 16000 16169 16197 16450 1610208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15247 15578 15663 15972 16056 16085 16253 16281 16535 15601 10095 11698 13385 11810 13526 12120 13273 13779 13807 14004 14032 14172 14201 14510 14847 15072 15100 15466 16085 16335 15663 15972 15056 16085 16283 1658	12120			10901	12007	14426			$\overline{}$					٠,			 						26855	27276
10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14679 13188 14482 14988 15072 15100 15410 15241 15578 15607 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 9561 10095 11698 13385 11810 13526 12120 13273 13779 13807 14404 14632 14172 14201 14510 14847 14847 15072 15100 15466 23621 24324 0887 14875 14006 17040 14043 14845 14857 15072 15100 15466 23621 24324 0887 14875 14006 17040 14043 14885 14887 15600 15588 24847 25501 24324 0887 14875 14006 17040 14043 14885 14887 14887 15600 15588 24847 25501 24324 0887 14887 14887 15600 15588 24847 25501 24324 0887 14887 14887 1500 15588 24847 25501 24324 0887 14887 14887 15600 15588 24847 25501 24324 0887 14887 14887 15600 15588 24847 25501 24324 0887 14887 14887 14887 15000 15588 24847 25501 24324 0887 14887 14887 14887 15000 15588 24847 25501 24324 0887 14887 14887 15000 15588 24847 25501 24324 0887 14887 14887 15000 15588 24847 25501 24324 0887 14887 14887 15000 15588 24847 25501 25501 25501 24324 0887 14887 14887 15000 15588 24847 25501 24324 0887 14887 14887 1500 15588 24847 25501 24324 0887 14887 14887 15000 15588 24847 25501 24324 0887 14887 14887 15000 15588 24847 25501 2	10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15072 15100 15410 15247 15578 15607 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 9561 10095 11698 13385 11810 13526 12120 13773 13779 13807 14004 144032 14172 14201 14510 14847 15072 15100 15466 9821 10377 11876 14006 12249 14143 12561 13776 1416 14444 14664 14835 14863 15160 15368 15392 15581 15609 15868	12260			10686	12092	14510			13160 1														26995	27417
10208 10742 12148 14594 12738 14679 13188 14482 14988 15072 15100 15410 15241 15578 15607 15972 16056 16085 16253 16281 16535 25561 26433 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 9561 10095 11698 13385 11810 13526 12120 13273 13751 13779 13807 14004 14032 14172 14201 14510 14847 15072 15100 15466 23621 24324 9571 10277 11876 14006 17040 14042 14647 14845 14862 15160 15588 15500 15588 24842 25504	10208 10742 12148 14594 12738 14679 13188 14482 14988 15072 15100 15410 15241 15578 15607 15972 16056 16085 16253 16281 16535 10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 9561 10095 11698 13385 11810 13526 12120 13273 13751 13779 13807 14004 14641 14172 14201 14510 14847 14847 15072 15100 15466 9821 10377 11876 14006 12249 14143 12561 13776 1416 14444 14664 14681 14883 15160 15368 15392 15581 15609 15868	12260			10742	12148	14594			13244 1							٠, ,							26995	27417
10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 25561 26433 9561 10095 11698 13385 11810 13526 12120 13273 13751 13779 13807 14004 14032 14172 14201 14510 14847 15072 15100 15466 23621 24324 9871 10277 11876 14006 17040 14014 14014 14014 14014 14014 14015 14016 14	10208 10742 12148 14594 12795 14735 13244 14538 15044 15129 15157 15410 15297 15635 15663 15972 16056 16085 16253 16281 16535 9561 10095 11698 13385 11810 13526 12120 13273 13751 13779 13807 14004 14032 14172 14201 14510 14847 14847 15072 15100 15466 9821 10377 11876 14006 12249 14143 12561 13776 14398 14416 14444 14664 14641 14683 15160 15368 15392 15581 15609 15868	12260		10208	10742	12148	14594			$\overline{}$. ,		26995	27417
9561 10095 11698 13385 11810 13526 12120 13273 13751 13779 13807 14004 14032 14172 14201 14510 14847 15072 15100 15466 23621 24324 9871 10277 11876 14006 17240 14143 12561 13775 14308 14416 14444 14664 14644 14885 14863 15160 15368 15302 15581 15600 15868 24842 25604	9561 10095 11698 13385 11810 13526 12120 13273 13751 13779 13807 14004 14032 14172 14201 14510 14847 14847 15072 15100 15466 9821 10377 11876 14006 12249 14143 12561 13776 14398 14416 14444 14664 14641 14835 14863 15160 15368 15392 15581 15609 15868	12260				12148	14594			_														26995	27417
0827 10277 11876 14006 12540 14143 12561 13776 14308 14446 14444 14664 14641 14835 14863 15160 15362 15502 15581 15600 15868 24842 25604	9821 10377 11876 14006 12249 14143 12561 13776 14398 14416 14444 14644 14641 14835 14863 15160 15368 15392 15581 15609 15868	11782	01		10095	11698	13385			(-1														24886	25308
	The result of th	11948					14006			,		4398 1		1444 14		541 148						3 24842	25604	26166	26588

COTTON STATISTICS & NEWS

UPCOUNTRY SPOT RAT								ES				(R	s./Qtl)	
Standard Descriptions with Basic Grade & Staple in Millimetres based on Upper Half Mean Length [By law 66 (A) (a) (4)]								Spot Rate (Upcountry) 2020-21 Crop July 2021						
Sr. No.	Growth	Grade Standard	Grade		Micronaire	Gravimetric Trash	Strength /GPT	26th	27th	28th	29th	30th	31st	
1	P/H/R	ICS-101	Fine	Below 22mm	5.0 - 7.0	4%	15	11895	11895	11951	12092 (43000)	12092	12092	
2	P/H/R (SG)	ICS-201	Fine		5.0 - 7.0	4.5%	15	12063	12063	12120	12260 (43600)	12260	12260	
3	GUJ	ICS-102	Fine	22mm	4.0 - 6.0	13%	20	10011	10011	10067	10151 (36100)	10208	10208	
4	KAR	ICS-103	Fine	23mm	4.0 - 5.5	4.5%	21	10545	10545	10601	10686 (38000)	10742	10742	
5	M/M (P)	ICS-104	Fine	24mm	4.0 - 5.5	4%	23	11951	11951	12007	12092 (43000)	12148	12148	
6	P/H/R (U) (SG)	ICS-202	Fine	27mm	3.5 - 4.9	4.5%	26	14369	14369	14426	14510 (51600)	14594	14594	
	M/M(P)/ SA/TL	ICS-105	Fine	26mm	3.0 - 3.4	4%	25	12570	12570	12626	12710 (45200)	12795	12738	
	P/H/R(U)	ICS-105	Fine	27mm	3.5 - 4.9	4%	26	14510	14510	14566	14650 (52100)	14735	14679	
	M/M(P)/ SA/TL/G	ICS-105	Fine	27mm	3.0 - 3.4	4%	25	12879 (45800)			13160 (46800)		13188 (46900)	
	M/M(P)/ SA/TL	ICS-105	Fine	27mm	3.5 - 4.9	3.5%	26	14172	14172	14313	14454 (51400)	14538	14482	
11	P/H/R(U)	ICS-105	Fine	28mm	3.5 - 4.9	4%	27	14819	14819	14875	14960 (53200)	15044	14988	
12	M/M(P)	ICS-105	Fine	28mm	3.7 - 4.5	3.5%	27	14904	14904	14960	15044 (53500)	15129	15072	
13	SA/TL/K	ICS-105	Fine	28mm	3.7 - 4.5	3.5%	27	14932 (53100)	14932 (53100)		15072 (53600)	15157 (53900)	15100 (53700)	
14	GUJ	ICS-105	Fine	28mm	3.7 - 4.5	3%	27	15185 (54000)			15325 (54500)	15410 (54800)	15410 (54800)	
15	R(L)	ICS-105	Fine	29mm	3.7 - 4.5	3.5%	28				15213 (54100)			
16	M/M(P)	ICS-105	Fine	29mm	3.7 - 4.5	3.5%	28	15410 (54800)			15550 (55300)	15635 (55600)	15578 (55400)	
17	SA/TL/K	ICS-105	Fine	29mm	3.7 - 4.5	3%	28				15578 (55400)			
18	GUJ	ICS-105	Fine	29mm	3.7 - 4.5	3%	28				15832 (56300)			
19	M/M(P)	ICS-105	Fine	30mm	3.7 - 4.5	3.5%	29	15832	15832	15888	15972 (56800)	16056	16056	
20	SA/TL/K/O	ICS-105	Fine	30mm	3.7 - 4.5	3%	29	15860	15860	15916	16000 (56900)	16085	16085	
21	M/M(P)	ICS-105	Fine	31mm	3.7 - 4.5	3%	30	16028	16028	16085	16169 (57500)	16253	16253	
22	SA/TL/ K / TN/O	ICS-105	Fine	31mm	3.7 - 4.5	3%	30	16056	16056	16113	16197 (57600)	16281	16281	
23	SA/TL/K/ TN/O	ICS-106	Fine	32mm	3.5 - 4.2	3%	31	16310	16310	16366	16450 (58500)	16535	16535	
24	M/M(P)	ICS-107	Fine	34mm	2.8 - 3.7	4%	33	25280	25420	25420	25561 (90900)	25561	25561	
25	K/TN	ICS-107	Fine	34mm	2.8 - 3.7	3.5%	34	26152	26292	26292	26433 (94000)	26433	26433	
26	M/M(P)	ICS-107	Fine	35mm	2.8 - 3.7	4%	35	26714	26855	26855	26995 (96000)	26995	26995	
27	K/TN	ICS-107	Fine	35mm	2.8 - 3.7	3.5%	35	27136	27276	27276	27417 (97500)	27417	27417	

(Note: Figures in bracket indicate prices in Rs./Candy)