

6

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(7) 44% ala! 11.101 21.21 11.431 sprand lace face = (a) rmbes. I random pick 131.41 44! -> 13-12-18, 4:31. 11.121 2121 11.11 31.31 13.12.6.6.44 sings couples. 16 10 2 4 O at fewest, 8 at most 9 aptions 221 I cases where couple has 9 or more songs 7:151 1+6+7+28+84+210+462+924=1722 16 songs = 78-31-20-19-18-17-16-18 15 songs > 6/11.51. 7.6.151 14 sungs > 7.161.11 > 71. 181 13 songs > 81/6/21 > 56/2 > 28 859,541,760 12 songs > 9! /6131. > 504/6 > 84. 5040 11 songs > 10!/6!41 > 5040/24> 210 10 songs > 11!/6151, -> 55440/120> 462 170,544 - 1722 168,822 ways 9 songs > 121/61.61.5,665,280/720-> 924 

Tur.

9

4. 10 9 after permutations 2 permutations before 3 Unics 1 2 5 12 1 1 1 A Inche ancles 3 nodes 42 10!

5. 3 nune distribution + 4 nuise distribution Stars & bass 10 stas 661 bars 72, 36 36 9! 3 9.8.7.61. SO4 -> 84 3!6! 3!6! 6 j