A A A A:
A A A 2:
A A A 3:
A A A 4:
A A A 5:
A A A 6:
A A A 7:
A A A 8:
1 1 + 1 + 8 *
1.0 + 1.0 = 2.0, 2.0 + 1.0 = 3.0, 3.0 * 8.0 = 24.0
A A A 9:
A A A 10:
A A A J:
1 1 + 1 11 + *
1.0 + 1.0 = 2.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
A A A Q:
1 1 + 1 12 * *
1.0 + 1.0 = 2.0, 1.0 * 12.0 = 12.0, 2.0 * 12.0 = 24.0
A A A K:
1 1 + 13 1 - *
1.0 + 1.0 = 2.0, 13.0 - 1.0 = 12.0, 2.0 * 12.0 = 24.0
A A 2 2:
A A 2 3:
A A 2 4:
A A 2 5:
A A 2 6:
1 1 + 2 + 6 *
1.0 + 1.0 = 2.0, 2.0 + 2.0 = 4.0, 4.0 * 6.0 = 24.0
A A 2 7:
1 2 + 1 7 + *
1.0 + 2.0 = 3.0, 1.0 + 7.0 = 8.0, 3.0 * 8.0 = 24.0
A A 2 8:
1 1 2 + 8 * *
1.0 + 2.0 = 3.0, 3.0 * 8.0 = 24.0, 1.0 * 24.0 = 24.0
A A 2 9:
1 2 + 9 1 - *
1.0 + 2.0 = 3.0, 9.0 - 1.0 = 8.0, 3.0 * 8.0 = 24.0
A A 2 10:
1 1 + 2 10 + *
1.0 + 1.0 = 2.0, 2.0 + 10.0 = 12.0, 2.0 * 12.0 = 24.0
A A 2 J:
1 1 + 2 11 * +
1.0 + 1.0 = 2.0, 2.0 * 11.0 = 22.0, 2.0 + 22.0 = 24.0
A A 2 Q:
1 1 - 2 + 12 *
1.0 - 1.0 = 0.0, 0.0 + 2.0 = 2.0, 2.0 * 12.0 = 24.0
A A 2 K:
1 1 + 13 * 2 -
1.0 + 1.0 = 2.0, 2.0 * 13.0 = 26.0, 26.0 - 2.0 = 24.0
A A 3 3:
A A 3 4:
1 1 + 3 4 * *
1.0 + 1.0 = 2.0, 3.0 * 4.0 = 12.0, 2.0 * 12.0 = 24.0
A A 3 5:
1 3 + 1 5 + *
1.0 + 3.0 = 4.0, 1.0 + 5.0 = 6.0, 4.0 * 6.0 = 24.0
A A 3 6:
1 1 3 + 6 * *
1.0 + 3.0 = 4.0, 4.0 * 6.0 = 24.0, 1.0 * 24.0 = 24.0
A A 3 7:
1 1 7 + 3 * *
1.0 + 7.0 = 8.0, 8.0 * 3.0 = 24.0, 1.0 * 24.0 = 24.0
A A 3 8:
1 1 - 3 + 8 *
1.0 - 1.0 = 0.0, 0.0 + 3.0 = 3.0, 3.0 * 8.0 = 24.0
A A 3 9:
1 1 + 3 9 + *
1.0 + 1.0 = 2.0, 3.0 + 9.0 = 12.0, 2.0 * 12.0 = 24.0
A A 3 10:
3 10 1 1 + - *
1.0 + 1.0 = 2.0, 10.0 - 2.0 = 8.0, 3.0 * 8.0 = 24.0
A A 3 J:
1 11 + 3 1 - *
1.0 + 11.0 = 12.0, 3.0 - 1.0 = 2.0, 12.0 * 2.0 = 24.0
A A 3 Q:
1 3 1 - 12 * *
3.0 - 1.0 = 2.0, 2.0 * 12.0 = 24.0, 1.0 * 24.0 = 24.0
A A 3 K:
1 3 - 1 13 - *
1.0 - 3.0 = -2.0, 1.0 - 13.0 = -12.0, -2.0 * -12.0 = 24.0
A A 4 4:
1 1 + 4 + 4 *
1.0 + 1.0 = 2.0, 2.0 + 4.0 = 6.0, 6.0 * 4.0 = 24.0
A A 4 5:
1 1 5 + 4 * *
1.0 + 5.0 = 6.0, 6.0 * 4.0 = 24.0, 1.0 * 24.0 = 24.0
A A 4 6:
1 1 - 4 + 6 *

```
1.0 - 1.0 = 0.0, 0.0 + 4.0 = 4.0, 4.0 * 6.0 = 24.0
A A 4 7:
1 4 7 1 - * *
7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0, 1.0 * 24.0 = 24.0
A A 4 8:
1 1 + 4 8 + *
1.0 + 1.0 = 2.0, 4.0 + 8.0 = 12.0, 2.0 * 12.0 = 24.0
A A 4 9:
1 4 - 1 9 - *
1.0 - 4.0 = -3.0, 1.0 - 9.0 = -8.0, -3.0 * -8.0 = 24.0
A A 4 10:
1 1 + 10 * 4 +
1.0 + 1.0 = 2.0, 2.0 * 10.0 = 20.0, 20.0 + 4.0 = 24.0
A A 4 J:
A A 4 Q:
4 1 1 + - 12 *
1.0 + 1.0 = 2.0, 4.0 - 2.0 = 2.0, 2.0 * 12.0 = 24.0
A A 4 K:
A A 5 5:
1 5 + 5 1 - *
1.0 + 5.0 = 6.0, 5.0 - 1.0 = 4.0, 6.0 * 4.0 = 24.0
A A 5 6:
1 5 1 - 6 * *
5.0 - 1.0 = 4.0, 4.0 * 6.0 = 24.0, 1.0 * 24.0 = 24.0
A A 5 7:
1 1 + 5 7 + *
1.0 + 1.0 = 2.0, 5.0 + 7.0 = 12.0, 2.0 * 12.0 = 24.0
A A 5 8:
5 1 1 + - 8 *
1.0 + 1.0 = 2.0, 5.0 - 2.0 = 3.0, 3.0 * 8.0 = 24.0
A A 5 9:
A A 5 10:
A A 5 J:
A A 5 Q:
A A 5 K:
A A 6 6:
1 1 + 6 6 + *
1.0 + 1.0 = 2.0, 6.0 + 6.0 = 12.0, 2.0 * 12.0 = 24.0
A A 6 7:
A A 6 8:
6 1 1 + / 8 *
1.0 + 1.0 = 2.0, 6.0 / 2.0 = 3.0, 3.0 * 8.0 = 24.0
A A 6 9:
1 1 + 9 * 6 +
1.0 + 1.0 = 2.0, 2.0 * 9.0 = 18.0, 18.0 + 6.0 = 24.0
A A 6 10:
A A 6 J:
A A 6 Q:
1 1 + 6 * 12 +
1.0 + 1.0 = 2.0, 2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0
A A 6 K:
A A 7 7:
A A 7 8:
A A 7 9:
A A 7 10:
1 1 + 7 * 10 +
1.0 + 1.0 = 2.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
A A 7 J:
A A 7 Q:
A A 7 K:
A A 8 8:
1 1 + 8 * 8 +
1.0 + 1.0 = 2.0, 2.0 * 8.0 = 16.0, 16.0 + 8.0 = 24.0
A A 8 9:
A A 8 10:
A A 8 J:
A A 8 Q:
A A 8 K:
A A 9 9:
A A 9 10:
A A 9 J:
A A 9 Q:
A A 9 K:
1 1 + 9 13 + +
1.0 + 1.0 = 2.0, 9.0 + 13.0 = 22.0, 2.0 + 22.0 = 24.0
A A 10 10:
A A 10 J:
A A 10 Q:
1 1 + 10 12 + +
1.0 + 1.0 = 2.0, 10.0 + 12.0 = 22.0, 2.0 + 22.0 = 24.0
A A 10 K:
1 1 10 + 13 + *
1.0 + 10.0 = 11.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
A A J J:
1 1 + 11 11 + +
1.0 + 1.0 = 2.0, 11.0 + 11.0 = 22.0, 2.0 + 22.0 = 24.0
A A J Q:
1 1 11 + 12 + *
```

1.0 + 11.0 = 12.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
A A J K:
1 1 11 13 + - -
11.0 + 13.0 = 24.0, 1.0 - 24.0 = -23.0, 1.0 - -23.0 = 24.0
A A Q Q:
1 1 12 12 + - -
12.0 + 12.0 = 24.0, 1.0 - 24.0 = -23.0, 1.0 - -23.0 = 24.0
A A Q K:
1 12 1 - 13 + *
12.0 - 1.0 = 11.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
A A K K:
13 1 1 + - 13 +
1.0 + 1.0 = 2.0, 13.0 - 2.0 = 11.0, 11.0 + 13.0 = 24.0
A 2 2 2:
A 2 2 3:
A 2 2 4:
1 2 + 2 4 * *
1.0 + 2.0 = 3.0, 2.0 * 4.0 = 8.0, 3.0 * 8.0 = 24.0
A 2 2 5:
1 5 + 2 2 + *
1.0 + 5.0 = 6.0, 2.0 + 2.0 = 4.0, 6.0 * 4.0 = 24.0
A 2 2 6:
1 2 + 2 6 + *
1.0 + 2.0 = 3.0, 2.0 + 6.0 = 8.0, 3.0 * 8.0 = 24.0
A 2 2 7:
2 2 + 7 1 - *
2.0 + 2.0 = 4.0, 7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0
A 2 2 8:
2 1 - 2 + 8 *
2.0 - 1.0 = 1.0, 1.0 + 2.0 = 3.0, 3.0 * 8.0 = 24.0
A 2 2 9:
1 2 + 9 + 2 *
1.0 + 2.0 = 3.0, 3.0 + 9.0 = 12.0, 12.0 * 2.0 = 24.0
A 2 2 10:
1 2 2 10 + * *
2.0 + 10.0 = 12.0, 2.0 * 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 2 J:
1 2 2 11 * + *
2.0 * 11.0 = 22.0, 2.0 + 22.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 2 Q:
1 2 2 / + 12 *
2.0 / 2.0 = 1.0, 1.0 + 1.0 = 2.0, 2.0 * 12.0 = 24.0
A 2 2 K:
1 2 - 13 + 2 *
1.0 - 2.0 = -1.0, -1.0 + 13.0 = 12.0, 12.0 * 2.0 = 24.0
A 2 3 3:
1 3 + 2 3 * *
1.0 + 3.0 = 4.0, 2.0 * 3.0 = 6.0, 4.0 * 6.0 = 24.0
A 2 3 4:
1 2 + 3 + 4 *
1.0 + 2.0 = 3.0, 3.0 + 3.0 = 6.0, 6.0 * 4.0 = 24.0
A 2 3 5:
1 2 + 3 5 + *
1.0 + 2.0 = 3.0, 3.0 + 5.0 = 8.0, 3.0 * 8.0 = 24.0
A 2 3 6:
1 2 6 + 3 * *
2.0 + 6.0 = 8.0, 8.0 * 3.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 3 7:
1 2 + 3 7 * +
1.0 + 2.0 = 3.0, 3.0 * 7.0 = 21.0, 3.0 + 21.0 = 24.0
A 2 3 8:
1 3 + 8 + 2 *
1.0 + 3.0 = 4.0, 4.0 + 8.0 = 12.0, 12.0 * 2.0 = 24.0
A 2 3 9:
1 2 3 9 + * *
3.0 + 9.0 = 12.0, 2.0 * 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 3 10:
1 2 10 * 3 + +
2.0 * 10.0 = 20.0, 20.0 + 3.0 = 23.0, 1.0 + 23.0 = 24.0
A 2 3 J:
1 2 + 11 3 - *
1.0 + 2.0 = 3.0, 11.0 - 3.0 = 8.0, 3.0 * 8.0 = 24.0
A 2 3 Q:
1 2 - 3 + 12 *
1.0 - 2.0 = -1.0, -1.0 + 3.0 = 2.0, 2.0 * 12.0 = 24.0
A 2 3 K:
1 2 13 * + 3 -
2.0 * 13.0 = 26.0, 1.0 + 26.0 = 27.0, 27.0 - 3.0 = 24.0
A 2 4 4:
1 2 + 4 4 + *
1.0 + 2.0 = 3.0, 4.0 + 4.0 = 8.0, 3.0 * 8.0 = 24.0
A 2 4 5:
2 1 - 5 + 4 *
2.0 - 1.0 = 1.0, 1.0 + 5.0 = 6.0, 6.0 * 4.0 = 24.0
A 2 4 6:
2 1 - 4 6 * *
2.0 - 1.0 = 1.0, 4.0 * 6.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 4 7:

1 2 - 7 + 4 *
1.0 - 2.0 = -1.0, -1.0 + 7.0 = 6.0, 6.0 * 4.0 = 24.0
A 2 4 8:
1 2 4 8 + * *
4.0 + 8.0 = 12.0, 2.0 * 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 4 9:
1 9 + 2 * 4 +
1.0 + 9.0 = 10.0, 10.0 * 2.0 = 20.0, 20.0 + 4.0 = 24.0
A 2 4 10:
1 2 10 * 4 + *
2.0 * 10.0 = 20.0, 20.0 + 4.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 4 J:
1 11 + 4 2 - *
1.0 + 11.0 = 12.0, 4.0 - 2.0 = 2.0, 12.0 * 2.0 = 24.0
A 2 4 Q:
1 2 + 4 * 12 +
1.0 + 2.0 = 3.0, 3.0 * 4.0 = 12.0, 12.0 + 12.0 = 24.0
A 2 4 K:
1 13 + 2 * 4 -
1.0 + 13.0 = 14.0, 14.0 * 2.0 = 28.0, 28.0 - 4.0 = 24.0
A 2 5 5:
1 2 - 5 5 * +
1.0 - 2.0 = -1.0, 5.0 * 5.0 = 25.0, -1.0 + 25.0 = 24.0
A 2 5 6:
1 2 - 5 + 6 *
1.0 - 2.0 = -1.0, -1.0 + 5.0 = 4.0, 4.0 * 6.0 = 24.0
A 2 5 7:
1 2 5 7 + * *
5.0 + 7.0 = 12.0, 2.0 * 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 5 8:
1 5 + 2 / 8 *
1.0 + 5.0 = 6.0, 6.0 / 2.0 = 3.0, 3.0 * 8.0 = 24.0
A 2 5 9:
1 2 + 5 * 9 +
1.0 + 2.0 = 3.0, 3.0 * 5.0 = 15.0, 15.0 + 9.0 = 24.0
A 2 5 10:
2 10 * 5 + 1 -
2.0 * 10.0 = 20.0, 20.0 + 5.0 = 25.0, 25.0 - 1.0 = 24.0
A 2 5 J:
A 2 5 Q:
1 5 + 2 * 12 +
1.0 + 5.0 = 6.0, 6.0 * 2.0 = 12.0, 12.0 + 12.0 = 24.0
A 2 5 K:
1 2 5 * 13 + +
2.0 * 5.0 = 10.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
A 2 6 6:
1 2 + 6 * 6 +
1.0 + 2.0 = 3.0, 3.0 * 6.0 = 18.0, 18.0 + 6.0 = 24.0
A 2 6 7:
1 7 + 6 * 2 /
1.0 + 7.0 = 8.0, 8.0 * 6.0 = 48.0, 48.0 / 2.0 = 24.0
A 2 6 8:
1 2 6 8 * / /
6.0 * 8.0 = 48.0, 2.0 / 48.0 = 0.041666666666666664, 1.0 / 0.041666666666666664 = 24.0
A 2 6 9:
1 2 9 * 6 + *
2.0 * 9.0 = 18.0, 18.0 + 6.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 6 10:
1 2 + 10 * 6 -
1.0 + 2.0 = 3.0, 3.0 * 10.0 = 30.0, 30.0 - 6.0 = 24.0
A 2 6 J:
1 2 6 * 11 + +
2.0 * 6.0 = 12.0, 12.0 + 11.0 = 23.0, 1.0 + 23.0 = 24.0
A 2 6 Q:
1 2 6 * 12 + *
2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 6 K:
2 6 * 1 - 13 +
2.0 * 6.0 = 12.0, 12.0 - 1.0 = 11.0, 11.0 + 13.0 = 24.0
A 2 7 7:
7 7 * 1 - 2 /
7.0 * 7.0 = 49.0, 49.0 - 1.0 = 48.0, 48.0 / 2.0 = 24.0
A 2 7 8:
1 2 8 * 7 + +
2.0 * 8.0 = 16.0, 16.0 + 7.0 = 23.0, 1.0 + 23.0 = 24.0
A 2 7 9:
1 2 7 * 9 + +
2.0 * 7.0 = 14.0, 14.0 + 9.0 = 23.0, 1.0 + 23.0 = 24.0
A 2 7 10:
1 2 7 * 10 + *
2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 7 J:
2 7 * 1 - 11 +
2.0 * 7.0 = 14.0, 14.0 - 1.0 = 13.0, 13.0 + 11.0 = 24.0
A 2 7 Q:
2 7 1 - * 12 +
7.0 - 1.0 = 6.0, 2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0
A 2 7 K:

```
A 2 8 8:
1 2 8 * 8 + *
2.0 * 8.0 = 16.0, 16.0 + 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 8 9:
2 8 * 1 - 9 +
2.0 * 8.0 = 16.0, 16.0 - 1.0 = 15.0, 15.0 + 9.0 = 24.0
A 2 8 10:
2 8 1 - * 10 +
8.0 - 1.0 = 7.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
A 2 8 J:
A 2 8 Q:
A 2 8 K:
1 2 + 8 13 + +
1.0 + 2.0 = 3.0, 8.0 + 13.0 = 21.0, 3.0 + 21.0 = 24.0
A 2 9 9:
A 2 9 10:
A 2 9 J:
1 2 + 11 * 9 -
1.0 + 2.0 = 3.0, 3.0 * 11.0 = 33.0, 33.0 - 9.0 = 24.0
A 2 9 Q:
1 2 + 9 12 + +
1.0 + 2.0 = 3.0, 9.0 + 12.0 = 21.0, 3.0 + 21.0 = 24.0
A 2 9 K:
1 2 9 + 13 + *
2.0 + 9.0 = 11.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 10 10:
A 2 10 J:
1 2 + 10 11 + +
1.0 + 2.0 = 3.0, 10.0 + 11.0 = 21.0, 3.0 + 21.0 = 24.0
A 2 10 Q:
1 2 10 + 12 + *
2.0 + 10.0 = 12.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 10 K:
2 1 10 13 + - -
10.0 + 13.0 = 23.0, 1.0 - 23.0 = -22.0, 2.0 - -22.0 = 24.0
A 2 J J:
1 2 11 + 11 + *
2.0 + 11.0 = 13.0, 13.0 + 11.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 J Q:
2 1 11 12 + - -
11.0 + 12.0 = 23.0, 1.0 - 23.0 = -22.0, 2.0 - -22.0 = 24.0
A 2 J K:
2 1 - 11 13 + *
2.0 - 1.0 = 1.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
A 2 Q Q:
1 2 + 12 * 12 -
1.0 + 2.0 = 3.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
A 2 Q K:
1 2 12 13 + - -
12.0 + 13.0 = 25.0, 2.0 - 25.0 = -23.0, 1.0 - -23.0 = 24.0
A 2 K K:
1 13 2 - 13 + *
13.0 - 2.0 = 11.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 3 3:
1 3 + 3 3 + *
1.0 + 3.0 = 4.0, 3.0 + 3.0 = 6.0, 4.0 * 6.0 = 24.0
A 3 3 4:
1 3 3 + 4 * *
3.0 + 3.0 = 6.0, 6.0 * 4.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 3 5:
1 3 3 5 + * *
3.0 + 5.0 = 8.0, 3.0 * 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 3 6:
1 6 + 3 * 3 +
1.0 + 6.0 = 7.0, 7.0 * 3.0 = 21.0, 21.0 + 3.0 = 24.0
A 3 3 7:
1 3 3 7 * + *
3.0 * 7.0 = 21.0, 3.0 + 21.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 3 8:
1 8 + 3 * 3 -
1.0 + 8.0 = 9.0, 9.0 * 3.0 = 27.0, 27.0 - 3.0 = 24.0
A 3 3 9:
1 3 + 9 3 - *
1.0 + 3.0 = 4.0, 9.0 - 3.0 = 6.0, 4.0 * 6.0 = 24.0
A 3 3 10:
1 3 - 10 + 3 *
1.0 - 3.0 = -2.0, -2.0 + 10.0 = 8.0, 8.0 * 3.0 = 24.0
A 3 3 J:
1 3 11 3 - * *
11.0 - 3.0 = 8.0, 3.0 * 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 3 Q:
1 3 + 3 * 12 +
1.0 + 3.0 = 4.0, 4.0 * 3.0 = 12.0, 12.0 + 12.0 = 24.0
A 3 3 K:
A 3 4 4:
1 3 4 4 + * *
4.0 + 4.0 = 8.0, 3.0 * 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 4 5:
```

```
1 3 + 4 5 * +
1.0 + 3.0 = 4.0, 4.0 * 5.0 = 20.0, 4.0 + 20.0 = 24.0
A 3 4 6:
6 1 3 4 / - /
3.0 / 4.0 = 0.75, 1.0 - 0.75 = 0.25, 6.0 / 0.25 = 24.0
A 3 4 7:
1 3 + 7 * 4 -
1.0 + 3.0 = 4.0, 4.0 * 7.0 = 28.0, 28.0 - 4.0 = 24.0
A 3 4 8:
1 3 + 4 * 8 +
1.0 + 3.0 = 4.0, 4.0 * 4.0 = 16.0, 16.0 + 8.0 = 24.0
A 3 4 9:
1 3 9 * + 4 -
3.0 * 9.0 = 27.0, 1.0 + 27.0 = 28.0, 28.0 - 4.0 = 24.0
A 3 4 10:
1 3 + 10 4 - *
1.0 + 3.0 = 4.0, 10.0 - 4.0 = 6.0, 4.0 * 6.0 = 24.0
A 3 4 J:
1 3 4 * 11 + +
3.0 * 4.0 = 12.0, 12.0 + 11.0 = 23.0, 1.0 + 23.0 = 24.0
A 3 4 Q:
1 3 - 4 + 12 *
1.0 - 3.0 = -2.0, -2.0 + 4.0 = 2.0, 2.0 * 12.0 = 24.0
A 3 4 K:
3 4 * 1 - 13 +
3.0 * 4.0 = 12.0, 12.0 - 1.0 = 11.0, 11.0 + 13.0 = 24.0
A 3 5 5:
A 3 5 6:
1 3 6 * 5 + +
3.0 * 6.0 = 18.0, 18.0 + 5.0 = 23.0, 1.0 + 23.0 = 24.0
A 3 5 7:
1 5 + 7 3 - *
1.0 + 5.0 = 6.0, 7.0 - 3.0 = 4.0, 6.0 * 4.0 = 24.0
A 3 5 8:
1 3 - 5 + 8 *
1.0 - 3.0 = -2.0, -2.0 + 5.0 = 3.0, 3.0 * 8.0 = 24.0
A 3 5 9:
1 3 5 * 9 + *
3.0 * 5.0 = 15.0, 15.0 + 9.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 5 10:
3 5 * 1 - 10 +
3.0 * 5.0 = 15.0, 15.0 - 1.0 = 14.0, 14.0 + 10.0 = 24.0
A 3 5 J:
1 3 + 11 5 - *
1.0 + 3.0 = 4.0, 11.0 - 5.0 = 6.0, 4.0 * 6.0 = 24.0
A 3 5 Q:
1 5 + 3 / 12 *
1.0 + 5.0 = 6.0, 6.0 / 3.0 = 2.0, 2.0 * 12.0 = 24.0
A 3 5 K:
1 3 13 5 - * *
13.0 - 5.0 = 8.0, 3.0 * 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 6 6:
1 3 - 6 + 6 *
1.0 - 3.0 = -2.0, -2.0 + 6.0 = 4.0, 4.0 * 6.0 = 24.0
A 3 6 7:
1 6 7 3 - * *
7.0 - 3.0 = 4.0, 6.0 * 4.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 6 8:
1 6 3 - 8 * *
6.0 - 3.0 = 3.0, 3.0 * 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 6 9:
1 9 + 3 * 6 -
1.0 + 9.0 = 10.0, 10.0 * 3.0 = 30.0, 30.0 - 6.0 = 24.0
A 3 6 10:
1 3 10 * 6 - *
3.0 * 10.0 = 30.0, 30.0 - 6.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 6 J:
1 11 + 6 * 3 /
1.0 + 11.0 = 12.0, 12.0 * 6.0 = 72.0, 72.0 / 3.0 = 24.0
A 3 6 Q:
1 3 6 12 * / /
6.0 * 12.0 = 72.0, 3.0 / 72.0 = 0.041666666666666664, 1.0 / 0.041666666666666664 = 24.0
A 3 6 K:
1 6 - 13 + 3 *
1.0 - 6.0 = -5.0, -5.0 + 13.0 = 8.0, 8.0 * 3.0 = 24.0
A 3 7 7:
1 7 - 3 7 - *
1.0 - 7.0 = -6.0, 3.0 - 7.0 = -4.0, -6.0 * -4.0 = 24.0
A 3 7 8:
3 1 7 8 / - /
7.0 / 8.0 = 0.875, 1.0 - 0.875 = 0.125, 3.0 / 0.125 = 24.0
A 3 7 9:
1 7 + 3 / 9 *
1.0 + 7.0 = 8.0, 8.0 / 3.0 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
A 3 7 10:
1 3 10 * + 7 -
3.0 * 10.0 = 30.0, 1.0 + 30.0 = 31.0, 31.0 - 7.0 = 24.0
A 3 7 J:
```

A 3 7 Q:
7 1 - 3 / 12 *
7.0 - 1.0 = 6.0, 6.0 / 3.0 = 2.0, 2.0 * 12.0 = 24.0
A 3 7 K:
1 3 + 7 13 + +
1.0 + 3.0 = 4.0, 7.0 + 13.0 = 20.0, 4.0 + 20.0 = 24.0
A 3 8 8:
1 3 + 8 * 8 -
1.0 + 3.0 = 4.0, 4.0 * 8.0 = 32.0, 32.0 - 8.0 = 24.0
A 3 8 9:
1 3 8 9 * / /
8.0 * 9.0 = 72.0, 3.0 / 72.0 = 0.041666666666666664, 1.0 / 0.041666666666666664 = 24.0
A 3 8 10:
8 3 10 1 - / /
10.0 - 1.0 = 9.0, 3.0 / 9.0 = 0.3333333333333333, 8.0 / 0.3333333333333333 = 24.0
A 3 8 J:
3 11 * 8 1 + -
3.0 * 11.0 = 33.0, 8.0 + 1.0 = 9.0, 33.0 - 9.0 = 24.0
A 3 8 Q:
1 3 + 8 12 + +
1.0 + 3.0 = 4.0, 8.0 + 12.0 = 20.0, 4.0 + 20.0 = 24.0
A 3 8 K:
1 3 8 + 13 + *
3.0 + 8.0 = 11.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 9 9:
9 3 9 1 - / /
9.0 - 1.0 = 8.0, 3.0 / 8.0 = 0.375, 9.0 / 0.375 = 24.0
A 3 9 10:
1 10 + 3 * 9 -
1.0 + 10.0 = 11.0, 11.0 * 3.0 = 33.0, 33.0 - 9.0 = 24.0
A 3 9 J:
1 3 + 9 11 + +
1.0 + 3.0 = 4.0, 9.0 + 11.0 = 20.0, 4.0 + 20.0 = 24.0
A 3 9 Q:
1 3 9 + 12 + *
3.0 + 9.0 = 12.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 9 K:
3 1 9 13 + - -
9.0 + 13.0 = 22.0, 1.0 - 22.0 = -21.0, 3.0 - -21.0 = 24.0
A 3 10 10:
1 3 + 10 10 + +
1.0 + 3.0 = 4.0, 10.0 + 10.0 = 20.0, 4.0 + 20.0 = 24.0
A 3 10 J:
1 3 10 + 11 + *
3.0 + 10.0 = 13.0, 13.0 + 11.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 10 Q:
3 1 10 12 + - -
10.0 + 12.0 = 22.0, 1.0 - 22.0 = -21.0, 3.0 - -21.0 = 24.0
A 3 10 K:
A 3 J J:
3 1 11 11 + - -
11.0 + 11.0 = 22.0, 1.0 - 22.0 = -21.0, 3.0 - -21.0 = 24.0
A 3 J Q:
1 11 + 3 * 12 -
1.0 + 11.0 = 12.0, 12.0 * 3.0 = 36.0, 36.0 - 12.0 = 24.0
A 3 J K:
A 3 Q Q:
1 3 12 * 12 - *
3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 3 Q K:
1 3 12 * + 13 -
3.0 * 12.0 = 36.0, 1.0 + 36.0 = 37.0, 37.0 - 13.0 = 24.0
A 3 K K:
1 3 13 13 + - -
13.0 + 13.0 = 26.0, 3.0 - 26.0 = -23.0, 1.0 - -23.0 = 24.0
A 4 4 4:
1 4 + 4 * 4 +
1.0 + 4.0 = 5.0, 5.0 * 4.0 = 20.0, 20.0 + 4.0 = 24.0
A 4 4 5:
1 4 4 5 * + *
4.0 * 5.0 = 20.0, 4.0 + 20.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 4 6:
1 6 + 4 * 4 -
1.0 + 6.0 = 7.0, 7.0 * 4.0 = 28.0, 28.0 - 4.0 = 24.0
A 4 4 7:
1 4 4 * 7 + +
4.0 * 4.0 = 16.0, 16.0 + 7.0 = 23.0, 1.0 + 23.0 = 24.0
A 4 4 8:
1 4 4 * 8 + *
4.0 * 4.0 = 16.0, 16.0 + 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 4 9:
1 4 - 9 + 4 *
1.0 - 4.0 = -3.0, -3.0 + 9.0 = 6.0, 6.0 * 4.0 = 24.0
A 4 4 10:
1 4 10 4 - * *
10.0 - 4.0 = 6.0, 4.0 * 6.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 4 J:
4 11 4 1 + - *

4.0 + 1.0 = 5.0, 11.0 - 5.0 = 6.0, 4.0 * 6.0 = 24.0
A 4 4 Q:
1 4 - 4 12 - *
1.0 - 4.0 = -3.0, 4.0 - 12.0 = -8.0, -3.0 * -8.0 = 24.0
A 4 4 K:
A 4 5 5:
4 1 5 - 5 * -
1.0 - 5.0 = -4.0, -4.0 * 5.0 = -20.0, 4.0 - -20.0 = 24.0
A 4 5 6:
6 5 4 / 1 - /
5.0 / 4.0 = 1.25, 1.25 - 1.0 = 0.25, 6.0 / 0.25 = 24.0
A 4 5 7:
1 4 7 * + 5 -
4.0 * 7.0 = 28.0, 1.0 + 28.0 = 29.0, 29.0 - 5.0 = 24.0
A 4 5 8:
1 5 + 8 4 - *
1.0 + 5.0 = 6.0, 8.0 - 4.0 = 4.0, 6.0 * 4.0 = 24.0
A 4 5 9:
4 1 - 5 * 9 +
4.0 - 1.0 = 3.0, 3.0 * 5.0 = 15.0, 15.0 + 9.0 = 24.0
A 4 5 10:
1 5 - 4 10 - *
1.0 - 5.0 = -4.0, 4.0 - 10.0 = -6.0, -4.0 * -6.0 = 24.0
A 4 5 J:
1 4 11 5 - * *
11.0 - 5.0 = 6.0, 4.0 * 6.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 5 Q:
1 4 - 5 + 12 *
1.0 - 4.0 = -3.0, -3.0 + 5.0 = 2.0, 2.0 * 12.0 = 24.0
A 4 5 K:
1 4 - 5 13 - *
1.0 - 4.0 = -3.0, 5.0 - 13.0 = -8.0, -3.0 * -8.0 = 24.0
A 4 6 6:
1 4 + 6 * 6 -
1.0 + 4.0 = 5.0, 5.0 * 6.0 = 30.0, 30.0 - 6.0 = 24.0
A 4 6 7:
1 4 - 7 + 6 *
1.0 - 4.0 = -3.0, -3.0 + 7.0 = 4.0, 4.0 * 6.0 = 24.0
A 4 6 8:
1 4 - 6 + 8 *
1.0 - 4.0 = -3.0, -3.0 + 6.0 = 3.0, 3.0 * 8.0 = 24.0
A 4 6 9:
6 9 1 4 + - *
1.0 + 4.0 = 5.0, 9.0 - 5.0 = 4.0, 6.0 * 4.0 = 24.0
A 4 6 10:
4 1 - 10 * 6 -
4.0 - 1.0 = 3.0, 3.0 * 10.0 = 30.0, 30.0 - 6.0 = 24.0
A 4 6 J:
1 6 - 11 + 4 *
1.0 - 6.0 = -5.0, -5.0 + 11.0 = 6.0, 6.0 * 4.0 = 24.0
A 4 6 Q:
1 4 12 6 - * *
12.0 - 6.0 = 6.0, 4.0 * 6.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 6 K:
1 4 + 6 13 + +
1.0 + 4.0 = 5.0, 6.0 + 13.0 = 19.0, 5.0 + 19.0 = 24.0
A 4 7 7:
1 7 + 7 4 - *
1.0 + 7.0 = 8.0, 7.0 - 4.0 = 3.0, 8.0 * 3.0 = 24.0
A 4 7 8:
1 7 + 4 * 8 -
1.0 + 7.0 = 8.0, 8.0 * 4.0 = 32.0, 32.0 - 8.0 = 24.0
A 4 7 9:
1 9 - 4 7 - *
1.0 - 9.0 = -8.0, 4.0 - 7.0 = -3.0, -8.0 * -3.0 = 24.0
A 4 7 10:
A 4 7 J:
1 4 + 7 * 11 -
1.0 + 4.0 = 5.0, 5.0 * 7.0 = 35.0, 35.0 - 11.0 = 24.0
A 4 7 Q:
1 4 + 7 12 + +
1.0 + 4.0 = 5.0, 7.0 + 12.0 = 19.0, 5.0 + 19.0 = 24.0
A 4 7 K:
1 4 7 + 13 + *
4.0 + 7.0 = 11.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 8 8:
1 4 8 * 8 - *
4.0 * 8.0 = 32.0, 32.0 - 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 8 9:
1 4 8 * + 9 -
4.0 * 8.0 = 32.0, 1.0 + 32.0 = 33.0, 33.0 - 9.0 = 24.0
A 4 8 10:
A 4 8 J:
1 4 + 8 11 + +
1.0 + 4.0 = 5.0, 8.0 + 11.0 = 19.0, 5.0 + 19.0 = 24.0
A 4 8 Q:
1 4 8 + 12 + *
4.0 + 8.0 = 12.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0

A 4 8 K:
1 8 - 13 + 4 *
1.0 - 8.0 = -7.0, -7.0 + 13.0 = 6.0, 6.0 * 4.0 = 24.0
A 4 9 9:
A 4 9 10:
1 4 + 9 10 + +
1.0 + 4.0 = 5.0, 9.0 + 10.0 = 19.0, 5.0 + 19.0 = 24.0
A 4 9 J:
1 4 9 + 11 + *
4.0 + 9.0 = 13.0, 13.0 + 11.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 9 Q:
1 4 9 * 12 - *
4.0 * 9.0 = 36.0, 36.0 - 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 9 K:
1 4 9 * + 13 -
4.0 * 9.0 = 36.0, 1.0 + 36.0 = 37.0, 37.0 - 13.0 = 24.0
A 4 10 10:
1 4 10 + 10 + *
4.0 + 10.0 = 14.0, 14.0 + 10.0 = 24.0, 1.0 * 24.0 = 24.0
A 4 10 J:
4 1 10 11 + - -
10.0 + 11.0 = 21.0, 1.0 - 21.0 = -20.0, 4.0 - -20.0 = 24.0
A 4 10 Q:
4 10 1 - * 12 -
10.0 - 1.0 = 9.0, 4.0 * 9.0 = 36.0, 36.0 - 12.0 = 24.0
A 4 10 K:
A 4 J J:
A 4 J Q:
A 4 J K:
A 4 Q Q:
4 1 - 12 * 12 -
4.0 - 1.0 = 3.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
A 4 Q K:
A 4 K K:
A 5 5 5:
5 1 5 / - 5 *
1.0 / 5.0 = 0.2, 5.0 - 0.2 = 4.8, 4.8 * 5.0 = 24.0
A 5 5 6:
1 5 + 5 * 6 -
1.0 + 5.0 = 6.0, 6.0 * 5.0 = 30.0, 30.0 - 6.0 = 24.0
A 5 5 7:
A 5 5 8:
A 5 5 9:
1 5 + 9 5 - *
1.0 + 5.0 = 6.0, 9.0 - 5.0 = 4.0, 6.0 * 4.0 = 24.0
A 5 5 10:
5 10 5 - * 1 -
10.0 - 5.0 = 5.0, 5.0 * 5.0 = 25.0, 25.0 - 1.0 = 24.0
A 5 5 J:
1 5 - 5 11 - *
1.0 - 5.0 = -4.0, 5.0 - 11.0 = -6.0, -4.0 * -6.0 = 24.0
A 5 5 Q:
1 5 5 / + 12 *
5.0 / 5.0 = 1.0, 1.0 + 1.0 = 2.0, 2.0 * 12.0 = 24.0
A 5 5 K:
1 5 + 5 13 + +
1.0 + 5.0 = 6.0, 5.0 + 13.0 = 18.0, 6.0 + 18.0 = 24.0
A 5 6 6:
1 5 6 * 6 - *
5.0 * 6.0 = 30.0, 30.0 - 6.0 = 24.0, 1.0 * 24.0 = 24.0
A 5 6 7:
1 5 6 * + 7 -
5.0 * 6.0 = 30.0, 1.0 + 30.0 = 31.0, 31.0 - 7.0 = 24.0
A 5 6 8:
1 5 - 8 + 6 *
1.0 - 5.0 = -4.0, -4.0 + 8.0 = 4.0, 4.0 * 6.0 = 24.0
A 5 6 9:
1 6 9 5 - * *
9.0 - 5.0 = 4.0, 6.0 * 4.0 = 24.0, 1.0 * 24.0 = 24.0
A 5 6 10:
1 5 + 10 6 - *
1.0 + 5.0 = 6.0, 10.0 - 6.0 = 4.0, 6.0 * 4.0 = 24.0
A 5 6 J:
1 6 + 5 * 11 -
1.0 + 6.0 = 7.0, 7.0 * 5.0 = 35.0, 35.0 - 11.0 = 24.0
A 5 6 Q:
1 5 + 6 12 + +
1.0 + 5.0 = 6.0, 6.0 + 12.0 = 18.0, 6.0 + 18.0 = 24.0
A 5 6 K:
1 5 6 + 13 + *
5.0 + 6.0 = 11.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
A 5 7 7:
A 5 7 8:
1 5 - 7 + 8 *
1.0 - 5.0 = -4.0, -4.0 + 7.0 = 3.0, 3.0 * 8.0 = 24.0
A 5 7 9:
1 7 - 5 9 - *
1.0 - 7.0 = -6.0, 5.0 - 9.0 = -4.0, -6.0 * -4.0 = 24.0

```
A 5 7 10:
1 7 5 / + 10 *
7.0 / 5.0 = 1.4, 1.0 + 1.4 = 2.4, 2.4 * 10.0 = 24.0
A 5 7 J:
1 5 + 7 11 + +
1.0 + 5.0 = 6.0, 7.0 + 11.0 = 18.0, 6.0 + 18.0 = 24.0
A 5 7 Q:
1 5 7 + 12 + *
5.0 + 7.0 = 12.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 5 7 K:
1 5 - 7 13 - *
1.0 - 5.0 = -4.0, 7.0 - 13.0 = -6.0, -4.0 * -6.0 = 24.0
A 5 8 8:
1 8 5 - 8 * *
8.0 - 5.0 = 3.0, 3.0 * 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 5 8 9:
1 9 - 5 8 - *
1.0 - 9.0 = -8.0, 5.0 - 8.0 = -3.0, -8.0 * -3.0 = 24.0
A 5 8 10:
1 5 + 8 10 + +
1.0 + 5.0 = 6.0, 8.0 + 10.0 = 18.0, 6.0 + 18.0 = 24.0
A 5 8 J:
1 5 8 + 11 + *
5.0 + 8.0 = 13.0, 13.0 + 11.0 = 24.0, 1.0 * 24.0 = 24.0
A 5 8 Q:
1 5 + 12 8 - *
1.0 + 5.0 = 6.0, 12.0 - 8.0 = 4.0, 6.0 * 4.0 = 24.0
A 5 8 K:
5 13 8 - * 1 -
13.0 - 8.0 = 5.0, 5.0 * 5.0 = 25.0, 25.0 - 1.0 = 24.0
A 5 9 9:
1 5 + 9 9 + +
1.0 + 5.0 = 6.0, 9.0 + 9.0 = 18.0, 6.0 + 18.0 = 24.0
A 5 9 10:
1 5 9 + 10 + *
5.0 + 9.0 = 14.0, 14.0 + 10.0 = 24.0, 1.0 * 24.0 = 24.0
A 5 9 J:
5 1 9 11 + - -
9.0 + 11.0 = 20.0, 1.0 - 20.0 = -19.0, 5.0 - -19.0 = 24.0
A 5 9 Q:
1 9 + 5 / 12 *
1.0 + 9.0 = 10.0, 10.0 / 5.0 = 2.0, 2.0 * 12.0 = 24.0
A 5 9 K:
1 5 + 13 9 - *
1.0 + 5.0 = 6.0, 13.0 - 9.0 = 4.0, 6.0 * 4.0 = 24.0
A 5 10 10:
5 1 10 10 + - -
10.0 + 10.0 = 20.0, 1.0 - 20.0 = -19.0, 5.0 - -19.0 = 24.0
A 5 10 J:
1 11 + 10 * 5 /
1.0 + 11.0 = 12.0, 12.0 * 10.0 = 120.0, 120.0 / 5.0 = 24.0
A 5 10 Q:
1 5 10 12 * / /
10.0 * 12.0 = 120.0, 5.0 / 120.0 = 0.041666666666666664, 1.0 / 0.041666666666666664 = 24.0
A 5 10 K:
10 5 13 1 - / /
13.0 - 1.0 = 12.0, 5.0 / 12.0 = 0.4166666666666667, 10.0 / 0.4166666666666667 = 24.0
A 5 J J:
11 11 * 1 - 5 /
11.0 * 11.0 = 121.0, 121.0 - 1.0 = 120.0, 120.0 / 5.0 = 24.0
A 5 J Q:
11 1 - 5 / 12 *
11.0 - 1.0 = 10.0, 10.0 / 5.0 = 2.0, 2.0 * 12.0 = 24.0
A 5 J K:
A 5 Q Q:
12 5 1 + / 12 *
5.0 + 1.0 = 6.0, 12.0 / 6.0 = 2.0, 2.0 * 12.0 = 24.0
A 5 Q K:
A 5 K K:
A 6 6 6:
6 1 - 6 * 6 -
6.0 - 1.0 = 5.0, 5.0 * 6.0 = 30.0, 30.0 - 6.0 = 24.0
A 6 6 7:
A 6 6 8:
6 1 6 8 / - /
6.0 / 8.0 = 0.75, 1.0 - 0.75 = 0.25, 6.0 / 0.25 = 24.0
A 6 6 9:
1 6 - 9 + 6 *
1.0 - 6.0 = -5.0, -5.0 + 9.0 = 4.0, 4.0 * 6.0 = 24.0
A 6 6 10:
1 6 10 6 - * *
10.0 - 6.0 = 4.0, 6.0 * 4.0 = 24.0, 1.0 * 24.0 = 24.0
A 6 6 J:
1 6 + 6 11 + +
1.0 + 6.0 = 7.0, 6.0 + 11.0 = 17.0, 7.0 + 17.0 = 24.0
A 6 6 Q:
1 6 6 + 12 + *
6.0 + 6.0 = 12.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
```

A 6 6 K:
1 6 6 * + 13 –
6.0 * 6.0 = 36.0, 1.0 + 36.0 = 37.0, 37.0 – 13.0 = 24.0
A 6 7 7:
A 6 7 8:
A 6 7 9:
1 7 + 9 6 – *
1.0 + 7.0 = 8.0, 9.0 – 6.0 = 3.0, 8.0 * 3.0 = 24.0
A 6 7 10:
1 6 + 7 10 + +
1.0 + 6.0 = 7.0, 7.0 + 10.0 = 17.0, 7.0 + 17.0 = 24.0
A 6 7 J:
1 6 7 + 11 + *
6.0 + 7.0 = 13.0, 13.0 + 11.0 = 24.0, 1.0 * 24.0 = 24.0
A 6 7 Q:
1 6 – 7 + 12 *
1.0 – 6.0 = –5.0, –5.0 + 7.0 = 2.0, 2.0 * 12.0 = 24.0
A 6 7 K:
A 6 8 8:
1 6 – 8 + 8 *
1.0 – 6.0 = –5.0, –5.0 + 8.0 = 3.0, 3.0 * 8.0 = 24.0
A 6 8 9:
1 6 + 8 9 + +
1.0 + 6.0 = 7.0, 8.0 + 9.0 = 17.0, 7.0 + 17.0 = 24.0
A 6 8 10:
1 6 8 + 10 + *
6.0 + 8.0 = 14.0, 14.0 + 10.0 = 24.0, 1.0 * 24.0 = 24.0
A 6 8 J:
1 8 – 11 + 6 *
1.0 – 8.0 = –7.0, –7.0 + 11.0 = 4.0, 4.0 * 6.0 = 24.0
A 6 8 Q:
1 6 12 8 – * *
12.0 – 8.0 = 4.0, 6.0 * 4.0 = 24.0, 1.0 * 24.0 = 24.0
A 6 8 K:
1 13 – 6 8 – *
1.0 – 13.0 = –12.0, 6.0 – 8.0 = –2.0, –12.0 * –2.0 = 24.0
A 6 9 9:
1 6 9 + 9 + *
6.0 + 9.0 = 15.0, 15.0 + 9.0 = 24.0, 1.0 * 24.0 = 24.0
A 6 9 10:
6 1 9 10 + – –
9.0 + 10.0 = 19.0, 1.0 – 19.0 = –18.0, 6.0 – –18.0 = 24.0
A 6 9 J:
A 6 9 Q:
1 9 – 12 + 6 *
1.0 – 9.0 = –8.0, –8.0 + 12.0 = 4.0, 4.0 * 6.0 = 24.0
A 6 9 K:
1 6 13 9 – * *
13.0 – 9.0 = 4.0, 6.0 * 4.0 = 24.0, 1.0 * 24.0 = 24.0
A 6 10 10:
A 6 10 J:
A 6 10 Q:
10 6 1 – / 12 *
6.0 – 1.0 = 5.0, 10.0 / 5.0 = 2.0, 2.0 * 12.0 = 24.0
A 6 10 K:
1 10 – 13 + 6 *
1.0 – 10.0 = –9.0, –9.0 + 13.0 = 4.0, 4.0 * 6.0 = 24.0
A 6 J J:
A 6 J Q:
1 11 + 6 / 12 *
1.0 + 11.0 = 12.0, 12.0 / 6.0 = 2.0, 2.0 * 12.0 = 24.0
A 6 J K:
1 11 13 * + 6 /
11.0 * 13.0 = 143.0, 1.0 + 143.0 = 144.0, 144.0 / 6.0 = 24.0
A 6 Q Q:
1 6 12 12 * / /
12.0 * 12.0 = 144.0, 6.0 / 144.0 = 0.041666666666666664, 1.0 / 0.041666666666666664 = 24.0
A 6 Q K:
12 6 13 1 – / /
13.0 – 1.0 = 12.0, 6.0 / 12.0 = 0.5, 12.0 / 0.5 = 24.0
A 6 K K:
A 7 7 7:
A 7 7 8:
A 7 7 9:
1 7 + 7 9 + +
1.0 + 7.0 = 8.0, 7.0 + 9.0 = 16.0, 8.0 + 16.0 = 24.0
A 7 7 10:
1 7 7 + 10 + *
7.0 + 7.0 = 14.0, 14.0 + 10.0 = 24.0, 1.0 * 24.0 = 24.0
A 7 7 J:
1 7 – 7 11 – *
1.0 – 7.0 = –6.0, 7.0 – 11.0 = –4.0, –6.0 * –4.0 = 24.0
A 7 7 Q:
1 7 7 / + 12 *
7.0 / 7.0 = 1.0, 1.0 + 1.0 = 2.0, 2.0 * 12.0 = 24.0
A 7 7 K:
A 7 8 8:
1 7 + 8 8 + +

```
1.0 + 7.0 = 8.0, 8.0 + 8.0 = 16.0, 8.0 + 16.0 = 24.0
A 7 8 9:
1 7 8 + 9 + *
7.0 + 8.0 = 15.0, 15.0 + 9.0 = 24.0, 1.0 * 24.0 = 24.0
A 7 8 10:
1 8 10 7 - * *
10.0 - 7.0 = 3.0, 8.0 * 3.0 = 24.0, 1.0 * 24.0 = 24.0
A 7 8 J:
1 7 + 11 8 - *
1.0 + 7.0 = 8.0, 11.0 - 8.0 = 3.0, 8.0 * 3.0 = 24.0
A 7 8 Q:
1 7 - 8 + 12 *
1.0 - 7.0 = -6.0, -6.0 + 8.0 = 2.0, 2.0 * 12.0 = 24.0
A 7 8 K:
A 7 9 9:
7 1 9 9 + - -
9.0 + 9.0 = 18.0, 1.0 - 18.0 = -17.0, 7.0 - -17.0 = 24.0
A 7 9 10:
1 9 - 7 10 - *
1.0 - 9.0 = -8.0, 7.0 - 10.0 = -3.0, -8.0 * -3.0 = 24.0
A 7 9 J:
1 11 + 9 7 - *
1.0 + 11.0 = 12.0, 9.0 - 7.0 = 2.0, 12.0 * 2.0 = 24.0
A 7 9 Q:
1 7 + 12 9 - *
1.0 + 7.0 = 8.0, 12.0 - 9.0 = 3.0, 8.0 * 3.0 = 24.0
A 7 9 K:
1 7 - 9 13 - *
1.0 - 7.0 = -6.0, 9.0 - 13.0 = -4.0, -6.0 * -4.0 = 24.0
A 7 10 10:
A 7 10 J:
A 7 10 Q:
10 7 1 + - 12 *
7.0 + 1.0 = 8.0, 10.0 - 8.0 = 2.0, 2.0 * 12.0 = 24.0
A 7 10 K:
1 7 + 13 10 - *
1.0 + 7.0 = 8.0, 13.0 - 10.0 = 3.0, 8.0 * 3.0 = 24.0
A 7 J J:
A 7 J Q:
A 7 J K:
A 7 Q Q:
12 7 1 - / 12 *
7.0 - 1.0 = 6.0, 12.0 / 6.0 = 2.0, 2.0 * 12.0 = 24.0
A 7 Q K:
1 13 + 12 * 7 /
1.0 + 13.0 = 14.0, 14.0 * 12.0 = 168.0, 168.0 / 7.0 = 24.0
A 7 K K:
13 13 * 1 - 7 /
13.0 * 13.0 = 169.0, 169.0 - 1.0 = 168.0, 168.0 / 7.0 = 24.0
A 8 8 8:
1 88 + 8 + *
8.0 + 8.0 = 16.0, 16.0 + 8.0 = 24.0, 1.0 * 24.0 = 24.0
A 8 8 9:
8 1 8 9 + - -
8.0 + 9.0 = 17.0, 1.0 - 17.0 = -16.0, 8.0 - -16.0 = 24.0
A 8 8 10:
1 8 - 10 + 8 *
1.0 - 8.0 = -7.0, -7.0 + 10.0 = 3.0, 3.0 * 8.0 = 24.0
A 8 8 J:
1 8 11 8 - * *
11.0 - 8.0 = 3.0, 8.0 * 3.0 = 24.0, 1.0 * 24.0 = 24.0
A 8 8 Q:
1 8 8 / + 12 *
8.0 / 8.0 = 1.0, 1.0 + 1.0 = 2.0, 2.0 * 12.0 = 24.0
A 8 8 K:
A 8 9 9:
A 8 9 10:
A 8 9 J:
1 9 - 8 11 - *
1.0 - 9.0 = -8.0, 8.0 - 11.0 = -3.0, -8.0 * -3.0 = 24.0
A 8 9 Q:
1 8 - 9 + 12 *
1.0 - 8.0 = -7.0, -7.0 + 9.0 = 2.0, 2.0 * 12.0 = 24.0
A 8 9 K:
8 13 9 1 + - *
9.0 + 1.0 = 10.0, 13.0 - 10.0 = 3.0, 8.0 * 3.0 = 24.0
A 8 10 10:
A 8 10 J:
1 11 + 10 8 - *
1.0 + 11.0 = 12.0, 10.0 - 8.0 = 2.0, 12.0 * 2.0 = 24.0
A 8 10 Q:
1 10 8 - 12 * *
10.0 - 8.0 = 2.0, 2.0 * 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 8 10 K:
1 8 13 10 - * *
13.0 - 10.0 = 3.0, 8.0 * 3.0 = 24.0, 1.0 * 24.0 = 24.0
A 8 J J:
A 8 J Q:
```

11 8 1 + – 12 *
8.0 + 1.0 = 9.0, 11.0 – 9.0 = 2.0, 2.0 * 12.0 = 24.0
A 8 J K:
1 11 – 13 + 8 *
1.0 – 11.0 = –10.0, –10.0 + 13.0 = 3.0, 3.0 * 8.0 = 24.0
A 8 Q Q:
12 12 8 / 1 – /
12.0 / 8.0 = 1.5, 1.5 – 1.0 = 0.5, 12.0 / 0.5 = 24.0
A 8 Q K:
A 8 K K:
A 9 9 9:
A 9 9 10:
A 9 9 J:
A 9 9 Q:
1 9 – 9 12 – *
1.0 – 9.0 = –8.0, 9.0 – 12.0 = –3.0, –8.0 * –3.0 = 24.0
A 9 9 K:
A 9 10 10:
A 9 10 J:
A 9 10 Q:
1 9 – 10 + 12 *
1.0 – 9.0 = –8.0, –8.0 + 10.0 = 2.0, 2.0 * 12.0 = 24.0
A 9 10 K:
1 9 – 10 13 – *
1.0 – 9.0 = –8.0, 10.0 – 13.0 = –3.0, –8.0 * –3.0 = 24.0
A 9 J J:
1 11 + 11 9 – *
1.0 + 11.0 = 12.0, 11.0 – 9.0 = 2.0, 12.0 * 2.0 = 24.0
A 9 J Q:
1 11 9 – 12 * *
11.0 – 9.0 = 2.0, 2.0 * 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 9 J K:
1 13 – 9 11 – *
1.0 – 13.0 = –12.0, 9.0 – 11.0 = –2.0, –12.0 * –2.0 = 24.0
A 9 Q Q:
12 9 1 + – 12 *
9.0 + 1.0 = 10.0, 12.0 – 10.0 = 2.0, 2.0 * 12.0 = 24.0
A 9 Q K:
A 9 K K:
A 10 10 10:
A 10 10 J:
A 10 10 Q:
1 10 10 / + 12 *
10.0 / 10.0 = 1.0, 1.0 + 1.0 = 2.0, 2.0 * 12.0 = 24.0
A 10 10 K:
A 10 J J:
A 10 J Q:
1 10 – 11 + 12 *
1.0 – 10.0 = –9.0, –9.0 + 11.0 = 2.0, 2.0 * 12.0 = 24.0
A 10 J K:
A 10 Q Q:
1 12 10 – 12 * *
12.0 – 10.0 = 2.0, 2.0 * 12.0 = 24.0, 1.0 * 24.0 = 24.0
A 10 Q K:
1 13 – 10 12 – *
1.0 – 13.0 = –12.0, 10.0 – 12.0 = –2.0, –12.0 * –2.0 = 24.0
A 10 K K:
A J J J:
A J J Q:
1 11 11 / + 12 *
11.0 / 11.0 = 1.0, 1.0 + 1.0 = 2.0, 2.0 * 12.0 = 24.0
A J J K:
1 11 + 13 11 – *
1.0 + 11.0 = 12.0, 13.0 – 11.0 = 2.0, 12.0 * 2.0 = 24.0
A J Q Q:
1 11 – 12 + 12 *
1.0 – 11.0 = –10.0, –10.0 + 12.0 = 2.0, 2.0 * 12.0 = 24.0
A J Q K:
1 12 13 11 – * *
13.0 – 11.0 = 2.0, 12.0 * 2.0 = 24.0, 1.0 * 24.0 = 24.0
A J K K:
1 11 13 / + 13 *
11.0 / 13.0 = 0.8461538461538461, 1.0 + 0.8461538461538461 = 1.8461538461538463, 1.8461538461538463 * 13.0 = 24.0
A Q Q Q:
1 12 12 / + 12 *
12.0 / 12.0 = 1.0, 1.0 + 1.0 = 2.0, 2.0 * 12.0 = 24.0
A Q Q K:
1 12 – 13 + 12 *
1.0 – 12.0 = –11.0, –11.0 + 13.0 = 2.0, 2.0 * 12.0 = 24.0
A Q K K:
1 13 13 / + 12 *
13.0 / 13.0 = 1.0, 1.0 + 1.0 = 2.0, 2.0 * 12.0 = 24.0
A K K K:
2 2 2 2:
2 2 2 3:
2 2 + 2 3 * *
2.0 + 2.0 = 4.0, 2.0 * 3.0 = 6.0, 4.0 * 6.0 = 24.0
2 2 2 4:

2 2 + 2 4 + *
2.0 + 2.0 = 4.0, 2.0 + 4.0 = 6.0, 4.0 * 6.0 = 24.0
2 2 2 5:
2 2 2 5 * + *
2.0 * 5.0 = 10.0, 2.0 + 10.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 2 6:
2 2 2 7:
2 2 7 * 2 - *
2.0 * 7.0 = 14.0, 14.0 - 2.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 2 8:
2 2 2 + 8 + *
2.0 + 2.0 = 4.0, 4.0 + 8.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 2 9:
2 2 2 9 + * +
2.0 + 9.0 = 11.0, 2.0 * 11.0 = 22.0, 2.0 + 22.0 = 24.0
2 2 2 10:
2 2 + 2 10 * +
2.0 + 2.0 = 4.0, 2.0 * 10.0 = 20.0, 4.0 + 20.0 = 24.0
2 2 2 J:
2 2 2 / 11 + *
2.0 / 2.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 2 Q:
2 2 + 2 - 12 *
2.0 + 2.0 = 4.0, 4.0 - 2.0 = 2.0, 2.0 * 12.0 = 24.0
2 2 2 K:
2 2 2 13 - * -
2.0 - 13.0 = -11.0, 2.0 * -11.0 = -22.0, 2.0 - -22.0 = 24.0
2 2 3 3:
2 2 + 3 3 + *
2.0 + 2.0 = 4.0, 3.0 + 3.0 = 6.0, 4.0 * 6.0 = 24.0
2 2 3 4:
2 2 + 4 + 3 *
2.0 + 2.0 = 4.0, 4.0 + 4.0 = 8.0, 8.0 * 3.0 = 24.0
2 2 3 5:
2 5 * 2 - 3 *
2.0 * 5.0 = 10.0, 10.0 - 2.0 = 8.0, 8.0 * 3.0 = 24.0
2 2 3 6:
2 2 3 * 6 + *
2.0 * 3.0 = 6.0, 6.0 + 6.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 3 7:
2 2 3 + 7 + *
2.0 + 3.0 = 5.0, 5.0 + 7.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 3 8:
2 2 3 8 + * +
3.0 + 8.0 = 11.0, 2.0 * 11.0 = 22.0, 2.0 + 22.0 = 24.0
2 2 3 9:
2 2 3 / + 9 *
2.0 / 3.0 = 0.6666666666666666, 2.0 + 0.6666666666666666 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
2 2 3 10:
2 3 10 + * 2 -
3.0 + 10.0 = 13.0, 2.0 * 13.0 = 26.0, 26.0 - 2.0 = 24.0
2 2 3 J:
2 3 2 - 11 + *
3.0 - 2.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 3 Q:
2 2 + 3 * 12 +
2.0 + 2.0 = 4.0, 4.0 * 3.0 = 12.0, 12.0 + 12.0 = 24.0
2 2 3 K:
2 2 3 - 13 + *
2.0 - 3.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 4 4:
2 2 4 * 4 + *
2.0 * 4.0 = 8.0, 8.0 + 4.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 4 5:
2 2 + 4 5 * +
2.0 + 2.0 = 4.0, 4.0 * 5.0 = 20.0, 4.0 + 20.0 = 24.0
2 2 4 6:
2 2 4 + 6 + *
2.0 + 4.0 = 6.0, 6.0 + 6.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 4 7:
2 2 4 7 + * +
4.0 + 7.0 = 11.0, 2.0 * 11.0 = 22.0, 2.0 + 22.0 = 24.0
2 2 4 8:
2 2 + 4 * 8 +
2.0 + 2.0 = 4.0, 4.0 * 4.0 = 16.0, 16.0 + 8.0 = 24.0
2 2 4 9:
2 2 9 * 4 + +
2.0 * 9.0 = 18.0, 18.0 + 4.0 = 22.0, 2.0 + 22.0 = 24.0
2 2 4 10:
2 2 + 10 4 - *
2.0 + 2.0 = 4.0, 10.0 - 4.0 = 6.0, 4.0 * 6.0 = 24.0
2 2 4 J:
2 2 4 - 11 * -
2.0 - 4.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 2 4 Q:
2 2 4 + * 12 +
2.0 + 4.0 = 6.0, 2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0
2 2 4 K:

2 2 13 * + 4 -
2.0 * 13.0 = 26.0, 2.0 + 26.0 = 28.0, 28.0 - 4.0 = 24.0
2 2 5 5:
2 2 5 + 5 + *
2.0 + 5.0 = 7.0, 7.0 + 5.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 5 6:
2 2 5 6 + * +
5.0 + 6.0 = 11.0, 2.0 * 11.0 = 22.0, 2.0 + 22.0 = 24.0
2 2 5 7:
2 5 * 2 7 * +
2.0 * 5.0 = 10.0, 2.0 * 7.0 = 14.0, 10.0 + 14.0 = 24.0
2 2 5 8:
2 5 8 + * 2 -
5.0 + 8.0 = 13.0, 2.0 * 13.0 = 26.0, 26.0 - 2.0 = 24.0
2 2 5 9:
2 5 2 - 9 + *
5.0 - 2.0 = 3.0, 3.0 + 9.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 5 10:
2 2 5 + * 10 +
2.0 + 5.0 = 7.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
2 2 5 J:
2 2 + 11 5 - *
2.0 + 2.0 = 4.0, 11.0 - 5.0 = 6.0, 4.0 * 6.0 = 24.0
2 2 5 Q:
2 2 5 * 12 + +
2.0 * 5.0 = 10.0, 10.0 + 12.0 = 22.0, 2.0 + 22.0 = 24.0
2 2 5 K:
2 2 6 6:
2 6 + 2 / 6 *
2.0 + 6.0 = 8.0, 8.0 / 2.0 = 4.0, 4.0 * 6.0 = 24.0
2 2 6 7:
2 2 7 + * 6 +
2.0 + 7.0 = 9.0, 2.0 * 9.0 = 18.0, 18.0 + 6.0 = 24.0
2 2 6 8:
2 2 6 + * 8 +
2.0 + 6.0 = 8.0, 2.0 * 8.0 = 16.0, 16.0 + 8.0 = 24.0
2 2 6 9:
2 2 9 * 6 - *
2.0 * 9.0 = 18.0, 18.0 - 6.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 6 10:
2 2 6 * 10 + +
2.0 * 6.0 = 12.0, 12.0 + 10.0 = 22.0, 2.0 + 22.0 = 24.0
2 2 6 J:
2 11 2 - * 6 +
11.0 - 2.0 = 9.0, 2.0 * 9.0 = 18.0, 18.0 + 6.0 = 24.0
2 2 6 Q:
2 2 + 12 6 - *
2.0 + 2.0 = 4.0, 12.0 - 6.0 = 6.0, 4.0 * 6.0 = 24.0
2 2 6 K:
2 2 13 + * 6 -
2.0 + 13.0 = 15.0, 2.0 * 15.0 = 30.0, 30.0 - 6.0 = 24.0
2 2 7 7:
2 7 2 - 7 + *
7.0 - 2.0 = 5.0, 5.0 + 7.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 7 8:
2 2 7 * 8 + +
2.0 * 7.0 = 14.0, 14.0 + 8.0 = 22.0, 2.0 + 22.0 = 24.0
2 2 7 9:
2 2 7 10:
2 7 10 2 / + *
10.0 / 2.0 = 5.0, 7.0 + 5.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 7 J:
2 2 7 Q:
2 7 * 2 - 12 +
2.0 * 7.0 = 14.0, 14.0 - 2.0 = 12.0, 12.0 + 12.0 = 24.0
2 2 7 K:
2 2 + 7 13 + +
2.0 + 2.0 = 4.0, 7.0 + 13.0 = 20.0, 4.0 + 20.0 = 24.0
2 2 8 8:
2 2 + 8 * 8 -
2.0 + 2.0 = 4.0, 4.0 * 8.0 = 32.0, 32.0 - 8.0 = 24.0
2 2 8 9:
2 9 * 8 + 2 -
2.0 * 9.0 = 18.0, 18.0 + 8.0 = 26.0, 26.0 - 2.0 = 24.0
2 2 8 10:
2 2 10 * 8 - *
2.0 * 10.0 = 20.0, 20.0 - 8.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 8 J:
2 2 8 Q:
2 2 + 8 12 + +
2.0 + 2.0 = 4.0, 8.0 + 12.0 = 20.0, 4.0 + 20.0 = 24.0
2 2 8 K:
2 2 9 9:
2 2 9 10:
2 9 2 - * 10 +
9.0 - 2.0 = 7.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
2 2 9 J:
2 2 + 9 11 + +

```
2.0 + 2.0 = 4.0, 9.0 + 11.0 = 20.0, 4.0 + 20.0 = 24.0
2 2 9 Q:
2 2 + 9 * 12 -
2.0 + 2.0 = 4.0, 4.0 * 9.0 = 36.0, 36.0 - 12.0 = 24.0
2 2 9 K:
2 2 10 10:
2 2 + 10 10 + +
2.0 + 2.0 = 4.0, 10.0 + 10.0 = 20.0, 4.0 + 20.0 = 24.0
2 2 10 J:
2 2 11 * 10 - *
2.0 * 11.0 = 22.0, 22.0 - 10.0 = 12.0, 2.0 * 12.0 = 24.0
2 2 10 Q:
2 2 10 K:
2 2 / 10 13 + +
2.0 / 2.0 = 1.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
2 2 J J:
2 2 11 / + 11 *
2.0 / 11.0 = 0.18181818181818182, 2.0 + 0.18181818181818182 = 2.1818181818181817, 2.1818181818181817 * 11.0 = 24.0
2 2 J Q:
2 2 / 11 12 + +
2.0 / 2.0 = 1.0, 11.0 + 12.0 = 23.0, 1.0 + 23.0 = 24.0
2 2 J K:
2 2 11 13 + - -
11.0 + 13.0 = 24.0, 2.0 - 24.0 = -22.0, 2.0 - -22.0 = 24.0
2 2 Q Q:
2 2 12 12 + - -
12.0 + 12.0 = 24.0, 2.0 - 24.0 = -22.0, 2.0 - -22.0 = 24.0
2 2 Q K:
12 2 2 / - 13 +
2.0 / 2.0 = 1.0, 12.0 - 1.0 = 11.0, 11.0 + 13.0 = 24.0
2 2 K K:
2 2 13 / - 13 *
2.0 / 13.0 = 0.15384615384615385, 2.0 - 0.15384615384615385 = 1.8461538461538463, 1.8461538461538463 * 13.0 = 24.0
2 3 3 3:
2 3 + 3 + 3 *
2.0 + 3.0 = 5.0, 5.0 + 3.0 = 8.0, 8.0 * 3.0 = 24.0
2 3 3 4:
2 3 3 5:
2 3 5 * 3 - *
3.0 * 5.0 = 15.0, 15.0 - 3.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 3 6:
2 3 3 + 6 + *
3.0 + 3.0 = 6.0, 6.0 + 6.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 3 7:
2 3 7 3 - * *
7.0 - 3.0 = 4.0, 3.0 * 4.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 3 8:
2 3 * 3 - 8 *
2.0 * 3.0 = 6.0, 6.0 - 3.0 = 3.0, 3.0 * 8.0 = 24.0
2 3 3 9:
2 3 + 3 * 9 +
2.0 + 3.0 = 5.0, 5.0 * 3.0 = 15.0, 15.0 + 9.0 = 24.0
2 3 3 10:
3 3 10 2 / + *
10.0 / 2.0 = 5.0, 3.0 + 5.0 = 8.0, 3.0 * 8.0 = 24.0
2 3 3 J:
2 3 3 / 11 + *
3.0 / 3.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 3 Q:
2 3 + 3 - 12 *
2.0 + 3.0 = 5.0, 5.0 - 3.0 = 2.0, 2.0 * 12.0 = 24.0
2 3 3 K:
2 3 3 * 13 + +
3.0 * 3.0 = 9.0, 9.0 + 13.0 = 22.0, 2.0 + 22.0 = 24.0
2 3 4 4:
2 3 + 4 * 4 +
2.0 + 3.0 = 5.0, 5.0 * 4.0 = 20.0, 20.0 + 4.0 = 24.0
2 3 4 5:
2 3 4 + 5 + *
3.0 + 4.0 = 7.0, 7.0 + 5.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 4 6:
2 3 6 * 4 + +
3.0 * 6.0 = 18.0, 18.0 + 4.0 = 22.0, 2.0 + 22.0 = 24.0
2 3 4 7:
2 3 7 + * 4 +
3.0 + 7.0 = 10.0, 2.0 * 10.0 = 20.0, 20.0 + 4.0 = 24.0
2 3 4 8:
2 3 - 4 + 8 *
2.0 - 3.0 = -1.0, -1.0 + 4.0 = 3.0, 3.0 * 8.0 = 24.0
2 3 4 9:
2 3 4 9 * / /
4.0 * 9.0 = 36.0, 3.0 / 36.0 = 0.08333333333333333, 2.0 / 0.08333333333333333 = 24.0
2 3 4 10:
2 3 4 + * 10 +
3.0 + 4.0 = 7.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
2 3 4 J:
2 3 11 + * 4 -
3.0 + 11.0 = 14.0, 2.0 * 14.0 = 28.0, 28.0 - 4.0 = 24.0
```

```
2 3 4 Q:
2 3 * 4 - 12 *
2.0 * 3.0 = 6.0, 6.0 - 4.0 = 2.0, 2.0 * 12.0 = 24.0
2 3 4 K:
2 3 4 - 13 + *
3.0 - 4.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 5 5:
2 3 - 5 5 * +
2.0 - 3.0 = -1.0, 5.0 * 5.0 = 25.0, -1.0 + 25.0 = 24.0
2 3 5 6:
2 3 - 5 + 6 *
2.0 - 3.0 = -1.0, -1.0 + 5.0 = 4.0, 4.0 * 6.0 = 24.0
2 3 5 7:
2 3 5 * 7 + +
3.0 * 5.0 = 15.0, 15.0 + 7.0 = 22.0, 2.0 + 22.0 = 24.0
2 3 5 8:
2 3 5 + * 8 +
3.0 + 5.0 = 8.0, 2.0 * 8.0 = 16.0, 16.0 + 8.0 = 24.0
2 3 5 9:
2 3 9 5 - * *
9.0 - 5.0 = 4.0, 3.0 * 4.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 5 10:
2 5 3 - 10 + *
5.0 - 3.0 = 2.0, 2.0 + 10.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 5 J:
2 3 5 - 11 * -
3.0 - 5.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 3 5 Q:
12 3 5 2 / - /
5.0 / 2.0 = 2.5, 3.0 - 2.5 = 0.5, 12.0 / 0.5 = 24.0
2 3 5 K:
2 3 * 5 13 + +
2.0 * 3.0 = 6.0, 5.0 + 13.0 = 18.0, 6.0 + 18.0 = 24.0
2 3 6 6:
2 3 6 + * 6 +
3.0 + 6.0 = 9.0, 2.0 * 9.0 = 18.0, 18.0 + 6.0 = 24.0
2 3 6 7:
2 7 * 6 - 3 *
2.0 * 7.0 = 14.0, 14.0 - 6.0 = 8.0, 8.0 * 3.0 = 24.0
2 3 6 8:
2 8 + 3 * 6 -
2.0 + 8.0 = 10.0, 10.0 * 3.0 = 30.0, 30.0 - 6.0 = 24.0
2 3 6 9:
2 6 + 3 / 9 *
2.0 + 6.0 = 8.0, 8.0 / 3.0 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
2 3 6 10:
2 3 10 6 - * *
10.0 - 6.0 = 4.0, 3.0 * 4.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 6 J:
2 6 3 / 11 * +
6.0 / 3.0 = 2.0, 2.0 * 11.0 = 22.0, 2.0 + 22.0 = 24.0
2 3 6 Q:
2 3 * 6 12 + +
2.0 * 3.0 = 6.0, 6.0 + 12.0 = 18.0, 6.0 + 18.0 = 24.0
2 3 6 K:
2 3 + 6 13 + +
2.0 + 3.0 = 5.0, 6.0 + 13.0 = 19.0, 5.0 + 19.0 = 24.0
2 3 7 7:
2 7 * 3 7 + +
2.0 * 7.0 = 14.0, 3.0 + 7.0 = 10.0, 14.0 + 10.0 = 24.0
2 3 7 8:
2 7 + 3 / 8 *
2.0 + 7.0 = 9.0, 9.0 / 3.0 = 3.0, 3.0 * 8.0 = 24.0
2 3 7 9:
2 3 7 * 9 - *
3.0 * 7.0 = 21.0, 21.0 - 9.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 7 10:
2 7 10 * + 3 /
7.0 * 10.0 = 70.0, 2.0 + 70.0 = 72.0, 72.0 / 3.0 = 24.0
2 3 7 J:
2 3 + 7 * 11 -
2.0 + 3.0 = 5.0, 5.0 * 7.0 = 35.0, 35.0 - 11.0 = 24.0
2 3 7 Q:
2 3 + 7 12 + +
2.0 + 3.0 = 5.0, 7.0 + 12.0 = 19.0, 5.0 + 19.0 = 24.0
2 3 7 K:
2 7 * 3 - 13 +
2.0 * 7.0 = 14.0, 14.0 - 3.0 = 11.0, 11.0 + 13.0 = 24.0
2 3 8 8:
2 8 * 8 - 3 *
2.0 * 8.0 = 16.0, 16.0 - 8.0 = 8.0, 8.0 * 3.0 = 24.0
2 3 8 9:
8 2 9 3 - / /
9.0 - 3.0 = 6.0, 2.0 / 6.0 = 0.3333333333333333, 8.0 / 0.3333333333333333 = 24.0
2 3 8 10:
2 3 * 8 10 + +
2.0 * 3.0 = 6.0, 8.0 + 10.0 = 18.0, 6.0 + 18.0 = 24.0
2 3 8 J:
```

```
2 3 + 8 11 + +
2.0 + 3.0 = 5.0, 8.0 + 11.0 = 19.0, 5.0 + 19.0 = 24.0
2 3 8 Q:
2 3 8 * 12 - *
3.0 * 8.0 = 24.0, 24.0 - 12.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 8 K:
2 3 13 + * 8 -
3.0 + 13.0 = 16.0, 2.0 * 16.0 = 32.0, 32.0 - 8.0 = 24.0
2 3 9 9:
2 3 * 9 9 + +
2.0 * 3.0 = 6.0, 9.0 + 9.0 = 18.0, 6.0 + 18.0 = 24.0
2 3 9 10:
2 3 + 9 10 + +
2.0 + 3.0 = 5.0, 9.0 + 10.0 = 19.0, 5.0 + 19.0 = 24.0
2 3 9 J:
2 3 9 Q:
2 9 3 - * 12 +
9.0 - 3.0 = 6.0, 2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0
2 3 9 K:
2 3 13 9 - * *
13.0 - 9.0 = 4.0, 3.0 * 4.0 = 12.0, 2.0 * 12.0 = 24.0
2 3 10 10:
2 10 3 - * 10 +
10.0 - 3.0 = 7.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
2 3 10 J:
2 3 10 Q:
2 10 + 3 * 12 -
2.0 + 10.0 = 12.0, 12.0 * 3.0 = 36.0, 36.0 - 12.0 = 24.0
2 3 10 K:
3 2 10 13 + - -
10.0 + 13.0 = 23.0, 2.0 - 23.0 = -21.0, 3.0 - -21.0 = 24.0
2 3 J J:
2 3 11 * + 11 -
3.0 * 11.0 = 33.0, 2.0 + 33.0 = 35.0, 35.0 - 11.0 = 24.0
2 3 J Q:
3 2 11 12 + - -
11.0 + 12.0 = 23.0, 2.0 - 23.0 = -21.0, 3.0 - -21.0 = 24.0
2 3 J K:
3 2 - 11 13 + *
3.0 - 2.0 = 1.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
2 3 Q Q:
3 2 - 12 12 + *
3.0 - 2.0 = 1.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
2 3 Q K:
2 3 12 13 + - -
12.0 + 13.0 = 25.0, 3.0 - 25.0 = -22.0, 2.0 - -22.0 = 24.0
2 3 K K:
3 13 * 2 13 + -
3.0 * 13.0 = 39.0, 2.0 + 13.0 = 15.0, 39.0 - 15.0 = 24.0
2 4 4 4:
2 4 4 + 4 + *
4.0 + 4.0 = 8.0, 8.0 + 4.0 = 12.0, 2.0 * 12.0 = 24.0
2 4 4 5:
2 5 + 4 * 4 -
2.0 + 5.0 = 7.0, 7.0 * 4.0 = 28.0, 28.0 - 4.0 = 24.0
2 4 4 6:
2 4 4 * 6 + +
4.0 * 4.0 = 16.0, 16.0 + 6.0 = 22.0, 2.0 + 22.0 = 24.0
2 4 4 7:
2 4 7 4 - * *
7.0 - 4.0 = 3.0, 4.0 * 3.0 = 12.0, 2.0 * 12.0 = 24.0
2 4 4 8:
2 4 4 + * 8 +
4.0 + 4.0 = 8.0, 2.0 * 8.0 = 16.0, 16.0 + 8.0 = 24.0
2 4 4 9:
4 9 2 - * 4 -
9.0 - 2.0 = 7.0, 4.0 * 7.0 = 28.0, 28.0 - 4.0 = 24.0
2 4 4 10:
2 4 10 + * 4 -
4.0 + 10.0 = 14.0, 2.0 * 14.0 = 28.0, 28.0 - 4.0 = 24.0
2 4 4 J:
2 4 4 / 11 + *
4.0 / 4.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 4 4 Q:
2 4 + 4 - 12 *
2.0 + 4.0 = 6.0, 6.0 - 4.0 = 2.0, 2.0 * 12.0 = 24.0
2 4 4 K:
2 13 4 4 / - *
4.0 / 4.0 = 1.0, 13.0 - 1.0 = 12.0, 2.0 * 12.0 = 24.0
2 4 5 5:
2 5 5 + * 4 +
5.0 + 5.0 = 10.0, 2.0 * 10.0 = 20.0, 20.0 + 4.0 = 24.0
2 4 5 6:
2 4 5 + * 6 +
4.0 + 5.0 = 9.0, 2.0 * 9.0 = 18.0, 18.0 + 6.0 = 24.0
2 4 5 7:
4 2 5 7 + / /
5.0 + 7.0 = 12.0, 2.0 / 12.0 = 0.16666666666666666, 4.0 / 0.16666666666666666 = 24.0
```

2 4 5 8:
2 4 - 5 + 8 *
2.0 - 4.0 = -2.0, -2.0 + 5.0 = 3.0, 3.0 * 8.0 = 24.0
2 4 5 9:
2 4 + 9 5 - *
2.0 + 4.0 = 6.0, 9.0 - 5.0 = 4.0, 6.0 * 4.0 = 24.0
2 4 5 10:
2 5 * 4 10 + +
2.0 * 5.0 = 10.0, 4.0 + 10.0 = 14.0, 10.0 + 14.0 = 24.0
2 4 5 J:
2 4 * 5 11 + +
2.0 * 4.0 = 8.0, 5.0 + 11.0 = 16.0, 8.0 + 16.0 = 24.0
2 4 5 Q:
2 5 - 4 12 - *
2.0 - 5.0 = -3.0, 4.0 - 12.0 = -8.0, -3.0 * -8.0 = 24.0
2 4 5 K:
2 4 + 5 13 + +
2.0 + 4.0 = 6.0, 5.0 + 13.0 = 18.0, 6.0 + 18.0 = 24.0
2 4 6 6:
2 4 - 6 + 6 *
2.0 - 4.0 = -2.0, -2.0 + 6.0 = 4.0, 4.0 * 6.0 = 24.0
2 4 6 7:
2 4 7 * + 6 -
4.0 * 7.0 = 28.0, 2.0 + 28.0 = 30.0, 30.0 - 6.0 = 24.0
2 4 6 8:
2 4 6 8 * / /
6.0 * 8.0 = 48.0, 4.0 / 48.0 = 0.08333333333333333, 2.0 / 0.08333333333333333 = 24.0
2 4 6 9:
2 4 6 / + 9 *
4.0 / 6.0 = 0.6666666666666666, 2.0 + 0.6666666666666666 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
2 4 6 10:
2 4 * 6 10 + +
2.0 * 4.0 = 8.0, 6.0 + 10.0 = 16.0, 8.0 + 16.0 = 24.0
2 4 6 J:
2 4 6 - 11 * -
4.0 - 6.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 4 6 Q:
2 4 + 6 12 + +
2.0 + 4.0 = 6.0, 6.0 + 12.0 = 18.0, 6.0 + 18.0 = 24.0
2 4 6 K:
2 13 * 6 - 4 +
2.0 * 13.0 = 26.0, 26.0 - 6.0 = 20.0, 20.0 + 4.0 = 24.0
2 4 7 7:
2 7 7 + * 4 -
7.0 + 7.0 = 14.0, 2.0 * 14.0 = 28.0, 28.0 - 4.0 = 24.0
2 4 7 8:
2 7 * 8 - 4 *
2.0 * 7.0 = 14.0, 14.0 - 8.0 = 6.0, 6.0 * 4.0 = 24.0
2 4 7 9:
2 4 * 7 9 + +
2.0 * 4.0 = 8.0, 7.0 + 9.0 = 16.0, 8.0 + 16.0 = 24.0
2 4 7 10:
2 4 10 7 - * *
10.0 - 7.0 = 3.0, 4.0 * 3.0 = 12.0, 2.0 * 12.0 = 24.0
2 4 7 J:
2 4 + 7 11 + +
2.0 + 4.0 = 6.0, 7.0 + 11.0 = 18.0, 6.0 + 18.0 = 24.0
2 4 7 Q:
2 7 + 4 * 12 -
2.0 + 7.0 = 9.0, 9.0 * 4.0 = 36.0, 36.0 - 12.0 = 24.0
2 4 7 K:
2 4 8 8:
2 4 * 8 8 + +
2.0 * 4.0 = 8.0, 8.0 + 8.0 = 16.0, 8.0 + 16.0 = 24.0
2 4 8 9:
8 9 2 4 + - *
2.0 + 4.0 = 6.0, 9.0 - 6.0 = 3.0, 8.0 * 3.0 = 24.0
2 4 8 10:
2 4 + 8 10 + +
2.0 + 4.0 = 6.0, 8.0 + 10.0 = 18.0, 6.0 + 18.0 = 24.0
2 4 8 J:
2 4 11 8 - * *
11.0 - 8.0 = 3.0, 4.0 * 3.0 = 12.0, 2.0 * 12.0 = 24.0
2 4 8 Q:
2 4 + 12 8 - *
2.0 + 4.0 = 6.0, 12.0 - 8.0 = 4.0, 6.0 * 4.0 = 24.0
2 4 8 K:
2 13 * 8 4 / -
2.0 * 13.0 = 26.0, 8.0 / 4.0 = 2.0, 26.0 - 2.0 = 24.0
2 4 9 9:
2 4 + 9 9 + +
2.0 + 4.0 = 6.0, 9.0 + 9.0 = 18.0, 6.0 + 18.0 = 24.0
2 4 9 10:
2 9 * 4 - 10 +
2.0 * 9.0 = 18.0, 18.0 - 4.0 = 14.0, 14.0 + 10.0 = 24.0
2 4 9 J:
2 4 9 Q:
2 4 12 9 - * *

12.0 - 9.0 = 3.0, 4.0 * 3.0 = 12.0, 2.0 * 12.0 = 24.0
2 4 9 K:
2 4 + 13 9 - *
2.0 + 4.0 = 6.0, 13.0 - 9.0 = 4.0, 6.0 * 4.0 = 24.0
2 4 10 10:
2 4 10 / + 10 *
4.0 / 10.0 = 0.4, 2.0 + 0.4 = 2.4, 2.4 * 10.0 = 24.0
2 4 10 J:
2 11 4 - * 10 +
11.0 - 4.0 = 7.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
2 4 10 Q:
2 10 4 - * 12 +
10.0 - 4.0 = 6.0, 2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0
2 4 10 K:
2 4 13 + * 10 -
4.0 + 13.0 = 17.0, 2.0 * 17.0 = 34.0, 34.0 - 10.0 = 24.0
2 4 J J:
4 2 11 11 + - -
11.0 + 11.0 = 22.0, 2.0 - 22.0 = -20.0, 4.0 - -20.0 = 24.0
2 4 J Q:
4 11 2 - * 12 -
11.0 - 2.0 = 9.0, 4.0 * 9.0 = 36.0, 36.0 - 12.0 = 24.0
2 4 J K:
2 4 Q Q:
4 12 * 2 12 * -
4.0 * 12.0 = 48.0, 2.0 * 12.0 = 24.0, 48.0 - 24.0 = 24.0
2 4 Q K:
2 4 K K:
2 4 13 13 + - -
13.0 + 13.0 = 26.0, 4.0 - 26.0 = -22.0, 2.0 - -22.0 = 24.0
2 5 5 5:
2 5 5 6:
2 5 5 7:
2 7 * 5 5 + +
2.0 * 7.0 = 14.0, 5.0 + 5.0 = 10.0, 14.0 + 10.0 = 24.0
2 5 5 8:
2 5 5 / + 8 *
5.0 / 5.0 = 1.0, 2.0 + 1.0 = 3.0, 3.0 * 8.0 = 24.0
2 5 5 9:
2 5 * 5 9 + +
2.0 * 5.0 = 10.0, 5.0 + 9.0 = 14.0, 10.0 + 14.0 = 24.0
2 5 5 10:
5 2 10 / - 5 *
2.0 / 10.0 = 0.2, 5.0 - 0.2 = 4.8, 4.8 * 5.0 = 24.0
2 5 5 J:
2 5 + 5 * 11 -
2.0 + 5.0 = 7.0, 7.0 * 5.0 = 35.0, 35.0 - 11.0 = 24.0
2 5 5 Q:
2 5 + 5 12 + +
2.0 + 5.0 = 7.0, 5.0 + 12.0 = 17.0, 7.0 + 17.0 = 24.0
2 5 5 K:
2 5 - 5 13 - *
2.0 - 5.0 = -3.0, 5.0 - 13.0 = -8.0, -3.0 * -8.0 = 24.0
2 5 6 6:
2 5 * 6 - 6 *
2.0 * 5.0 = 10.0, 10.0 - 6.0 = 4.0, 4.0 * 6.0 = 24.0
2 5 6 7:
2 5 - 7 + 6 *
2.0 - 5.0 = -3.0, -3.0 + 7.0 = 4.0, 4.0 * 6.0 = 24.0
2 5 6 8:
2 5 - 6 + 8 *
2.0 - 5.0 = -3.0, -3.0 + 6.0 = 3.0, 3.0 * 8.0 = 24.0
2 5 6 9:
5 2 / 6 * 9 +
5.0 / 2.0 = 2.5, 2.5 * 6.0 = 15.0, 15.0 + 9.0 = 24.0
2 5 6 10:
2 5 6 10 * / /
6.0 * 10.0 = 60.0, 5.0 / 60.0 = 0.08333333333333333, 2.0 / 0.08333333333333333 = 24.0
2 5 6 J:
2 5 + 6 11 + +
2.0 + 5.0 = 7.0, 6.0 + 11.0 = 17.0, 7.0 + 17.0 = 24.0
2 5 6 Q:
2 6 5 - 12 * *
6.0 - 5.0 = 1.0, 1.0 * 12.0 = 12.0, 2.0 * 12.0 = 24.0
2 5 6 K:
2 5 6 - 13 + *
5.0 - 6.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 5 7 7:
2 5 * 7 7 + +
2.0 * 5.0 = 10.0, 7.0 + 7.0 = 14.0, 10.0 + 14.0 = 24.0
2 5 7 8:
2 5 * 7 - 8 *
2.0 * 5.0 = 10.0, 10.0 - 7.0 = 3.0, 3.0 * 8.0 = 24.0
2 5 7 9:
5 7 * 2 9 + -
5.0 * 7.0 = 35.0, 2.0 + 9.0 = 11.0, 35.0 - 11.0 = 24.0
2 5 7 10:
2 5 + 7 10 + +

```
2.0 + 5.0 = 7.0, 7.0 + 10.0 = 17.0, 7.0 + 17.0 = 24.0
2 5 7 J:
2 5 7 - 11 * -
5.0 - 7.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 5 7 Q:
2 5 7 K:
2 5 7 * + 13 -
5.0 * 7.0 = 35.0, 2.0 + 35.0 = 37.0, 37.0 - 13.0 = 24.0
2 5 8 8:
5 8 * 2 8 * -
5.0 * 8.0 = 40.0, 2.0 * 8.0 = 16.0, 40.0 - 16.0 = 24.0
2 5 8 9:
2 5 + 8 9 + +
2.0 + 5.0 = 7.0, 8.0 + 9.0 = 17.0, 7.0 + 17.0 = 24.0
2 5 8 10:
2 10 - 5 8 - *
2.0 - 10.0 = -8.0, 5.0 - 8.0 = -3.0, -8.0 * -3.0 = 24.0
2 5 8 J:
2 5 11 + * 8 -
5.0 + 11.0 = 16.0, 2.0 * 16.0 = 32.0, 32.0 - 8.0 = 24.0
2 5 8 Q:
2 5 * 8 - 12 *
2.0 * 5.0 = 10.0, 10.0 - 8.0 = 2.0, 2.0 * 12.0 = 24.0
2 5 8 K:
2 8 * 5 - 13 +
2.0 * 8.0 = 16.0, 16.0 - 5.0 = 11.0, 11.0 + 13.0 = 24.0
2 5 9 9:
2 5 9 10:
2 10 * 9 + 5 -
2.0 * 10.0 = 20.0, 20.0 + 9.0 = 29.0, 29.0 - 5.0 = 24.0
2 5 9 J:
2 9 * 5 - 11 +
2.0 * 9.0 = 18.0, 18.0 - 5.0 = 13.0, 13.0 + 11.0 = 24.0
2 5 9 Q:
5 2 9 12 + - -
9.0 + 12.0 = 21.0, 2.0 - 21.0 = -19.0, 5.0 - -19.0 = 24.0
2 5 9 K:
2 5 10 10:
2 10 + 5 / 10 *
2.0 + 10.0 = 12.0, 12.0 / 5.0 = 2.4, 2.4 * 10.0 = 24.0
2 5 10 J:
2 10 5 / 11 * +
10.0 / 5.0 = 2.0, 2.0 * 11.0 = 22.0, 2.0 + 22.0 = 24.0
2 5 10 Q:
2 5 12 + * 10 -
5.0 + 12.0 = 17.0, 2.0 * 17.0 = 34.0, 34.0 - 10.0 = 24.0
2 5 10 K:
2 13 * 10 5 / -
2.0 * 13.0 = 26.0, 10.0 / 5.0 = 2.0, 26.0 - 2.0 = 24.0
2 5 J J:
2 5 J Q:
2 11 5 - * 12 +
11.0 - 5.0 = 6.0, 2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0
2 5 J K:
2 5 Q Q:
5 2 - 12 * 12 -
5.0 - 2.0 = 3.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
2 5 Q K:
2 5 13 + * 12 -
5.0 + 13.0 = 18.0, 2.0 * 18.0 = 36.0, 36.0 - 12.0 = 24.0
2 5 K K:
2 6 6 6:
2 6 * 6 6 + +
2.0 * 6.0 = 12.0, 6.0 + 6.0 = 12.0, 12.0 + 12.0 = 24.0
2 6 6 7:
6 6 7 * + 2 /
6.0 * 7.0 = 42.0, 6.0 + 42.0 = 48.0, 48.0 / 2.0 = 24.0
2 6 6 8:
2 6 6 / + 8 *
6.0 / 6.0 = 1.0, 2.0 + 1.0 = 3.0, 3.0 * 8.0 = 24.0
2 6 6 9:
2 6 + 9 6 - *
2.0 + 6.0 = 8.0, 9.0 - 6.0 = 3.0, 8.0 * 3.0 = 24.0
2 6 6 10:
2 6 + 6 10 + +
2.0 + 6.0 = 8.0, 6.0 + 10.0 = 16.0, 8.0 + 16.0 = 24.0
2 6 6 J:
2 6 6 / 11 + *
6.0 / 6.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 6 6 Q:
2 6 + 6 - 12 *
2.0 + 6.0 = 8.0, 8.0 - 6.0 = 2.0, 2.0 * 12.0 = 24.0
2 6 6 K:
2 13 6 6 / - *
6.0 / 6.0 = 1.0, 13.0 - 1.0 = 12.0, 2.0 * 12.0 = 24.0
2 6 7 7:
2 6 7 8:
2 6 - 7 + 8 *
```

```
2.0 - 6.0 = -4.0, -4.0 + 7.0 = 3.0, 3.0 * 8.0 = 24.0
2 6 7 9:
2 6 + 7 9 + +
2.0 + 6.0 = 8.0, 7.0 + 9.0 = 16.0, 8.0 + 16.0 = 24.0
2 6 7 10:
2 6 + 10 7 - *
2.0 + 6.0 = 8.0, 10.0 - 7.0 = 3.0, 8.0 * 3.0 = 24.0
2 6 7 J:
2 7 6 - 11 + *
7.0 - 6.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 6 7 Q:
2 7 6 - 12 * *
7.0 - 6.0 = 1.0, 1.0 * 12.0 = 12.0, 2.0 * 12.0 = 24.0
2 6 7 K:
2 6 7 - 13 + *
6.0 - 7.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 6 8 8:
2 6 + 8 8 + +
2.0 + 6.0 = 8.0, 8.0 + 8.0 = 16.0, 8.0 + 16.0 = 24.0
2 6 8 9:
2 6 8 9 * / /
8.0 * 9.0 = 72.0, 6.0 / 72.0 = 0.08333333333333333, 2.0 / 0.08333333333333333 = 24.0
2 6 8 10:
2 6 10 + * 8 -
6.0 + 10.0 = 16.0, 2.0 * 16.0 = 32.0, 32.0 - 8.0 = 24.0
2 6 8 J:
2 6 8 - 11 * -
6.0 - 8.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 6 8 Q:
2 8 * 12 - 6 *
2.0 * 8.0 = 16.0, 16.0 - 12.0 = 4.0, 4.0 * 6.0 = 24.0
2 6 8 K:
2 13 * 8 - 6 +
2.0 * 13.0 = 26.0, 26.0 - 8.0 = 18.0, 18.0 + 6.0 = 24.0
2 6 9 9:
2 6 9 / + 9 *
6.0 / 9.0 = 0.6666666666666666, 2.0 + 0.6666666666666666 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
2 6 9 10:
2 10 - 6 9 - *
2.0 - 10.0 = -8.0, 6.0 - 9.0 = -3.0, -8.0 * -3.0 = 24.0
2 6 9 J:
2 6 11 9 - * *
11.0 - 9.0 = 2.0, 6.0 * 2.0 = 12.0, 2.0 * 12.0 = 24.0
2 6 9 Q:
2 6 + 12 9 - *
2.0 + 6.0 = 8.0, 12.0 - 9.0 = 3.0, 8.0 * 3.0 = 24.0
2 6 9 K:
2 6 10 10:
2 10 * 6 - 10 +
2.0 * 10.0 = 20.0, 20.0 - 6.0 = 14.0, 14.0 + 10.0 = 24.0
2 6 10 J:
2 6 11 + * 10 -
6.0 + 11.0 = 17.0, 2.0 * 17.0 = 34.0, 34.0 - 10.0 = 24.0
2 6 10 Q:
2 6 * 10 - 12 *
2.0 * 6.0 = 12.0, 12.0 - 10.0 = 2.0, 2.0 * 12.0 = 24.0
2 6 10 K:
2 6 + 13 10 - *
2.0 + 6.0 = 8.0, 13.0 - 10.0 = 3.0, 8.0 * 3.0 = 24.0
2 6 J J:
2 6 J Q:
2 11 6 / 12 * +
11.0 / 6.0 = 1.8333333333333333, 1.8333333333333333 * 12.0 = 22.0, 2.0 + 22.0 = 24.0
2 6 J K:
2 6 13 11 - * *
13.0 - 11.0 = 2.0, 6.0 * 2.0 = 12.0, 2.0 * 12.0 = 24.0
2 6 Q Q:
2 6 12 + * 12 -
6.0 + 12.0 = 18.0, 2.0 * 18.0 = 36.0, 36.0 - 12.0 = 24.0
2 6 Q K:
2 13 * 12 6 / -
2.0 * 13.0 = 26.0, 12.0 / 6.0 = 2.0, 26.0 - 2.0 = 24.0
2 6 K K:
2 7 7 7:
2 7 7 8:
2 7 + 7 8 + +
2.0 + 7.0 = 9.0, 7.0 + 8.0 = 15.0, 9.0 + 15.0 = 24.0
2 7 7 9:
2 7 7 10:
2 10 7 / + 7 *
10.0 / 7.0 = 1.4285714285714286, 2.0 + 1.4285714285714286 = 3.428571428571429, 3.428571428571429 * 7.0 = 24.0
2 7 7 J:
2 7 7 / 11 + *
7.0 / 7.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 7 7 Q:
2 7 + 7 - 12 *
2.0 + 7.0 = 9.0, 9.0 - 7.0 = 2.0, 2.0 * 12.0 = 24.0
2 7 7 K:
```

```
2 13 7 7 / - *
7.0 / 7.0 = 1.0, 13.0 - 1.0 = 12.0, 2.0 * 12.0 = 24.0
2 7 8 8:
2 7 - 8 + 8 *
2.0 - 7.0 = -5.0, -5.0 + 8.0 = 3.0, 3.0 * 8.0 = 24.0
2 7 8 9:
2 7 9 + * 8 -
7.0 + 9.0 = 16.0, 2.0 * 16.0 = 32.0, 32.0 - 8.0 = 24.0
2 7 8 10:
2 7 8 J:
2 7 * 11 - 8 *
2.0 * 7.0 = 14.0, 14.0 - 11.0 = 3.0, 3.0 * 8.0 = 24.0
2 7 8 Q:
2 8 7 - 12 * *
8.0 - 7.0 = 1.0, 1.0 * 12.0 = 12.0, 2.0 * 12.0 = 24.0
2 7 8 K:
2 7 8 - 13 + *
7.0 - 8.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 7 9 9:
2 7 9 10:
2 9 7 - 10 + *
9.0 - 7.0 = 2.0, 2.0 + 10.0 = 12.0, 2.0 * 12.0 = 24.0
2 7 9 J:
2 7 9 - 11 * -
7.0 - 9.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 7 9 Q:
2 7 9 K:
2 9 * 7 - 13 +
2.0 * 9.0 = 18.0, 18.0 - 7.0 = 11.0, 11.0 + 13.0 = 24.0
2 7 10 10:
2 7 10 + * 10 -
7.0 + 10.0 = 17.0, 2.0 * 17.0 = 34.0, 34.0 - 10.0 = 24.0
2 7 10 J:
2 10 * 7 - 11 +
2.0 * 10.0 = 20.0, 20.0 - 7.0 = 13.0, 13.0 + 11.0 = 24.0
2 7 10 Q:
7 10 2 / 12 + +
10.0 / 2.0 = 5.0, 5.0 + 12.0 = 17.0, 7.0 + 17.0 = 24.0
2 7 10 K:
2 7 J J:
2 7 J Q:
2 7 11 + * 12 -
7.0 + 11.0 = 18.0, 2.0 * 18.0 = 36.0, 36.0 - 12.0 = 24.0
2 7 J K:
2 7 Q Q:
2 7 * 12 - 12 *
2.0 * 7.0 = 14.0, 14.0 - 12.0 = 2.0, 2.0 * 12.0 = 24.0
2 7 Q K:
2 13 7 - * 12 +
13.0 - 7.0 = 6.0, 2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0
2 7 K K:
2 8 8 8:
2 8 8 + * 8 -
8.0 + 8.0 = 16.0, 2.0 * 16.0 = 32.0, 32.0 - 8.0 = 24.0
2 8 8 9:
2 8 - 9 + 8 *
2.0 - 8.0 = -6.0, -6.0 + 9.0 = 3.0, 3.0 * 8.0 = 24.0
2 8 8 10:
8 2 8 10 + - -
8.0 + 10.0 = 18.0, 2.0 - 18.0 = -16.0, 8.0 - -16.0 = 24.0
2 8 8 J:
2 8 8 / 11 + *
8.0 / 8.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 8 8 Q:
2 8 + 8 - 12 *
2.0 + 8.0 = 10.0, 10.0 - 8.0 = 2.0, 2.0 * 12.0 = 24.0
2 8 8 K:
2 8 * 13 - 8 *
2.0 * 8.0 = 16.0, 16.0 - 13.0 = 3.0, 3.0 * 8.0 = 24.0
2 8 9 9:
2 9 9 / + 8 *
9.0 / 9.0 = 1.0, 2.0 + 1.0 = 3.0, 3.0 * 8.0 = 24.0
2 8 9 10:
2 8 9 + * 10 -
8.0 + 9.0 = 17.0, 2.0 * 17.0 = 34.0, 34.0 - 10.0 = 24.0
2 8 9 J:
2 9 8 - 11 + *
9.0 - 8.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 8 9 Q:
2 8 12 / + 9 *
8.0 / 12.0 = 0.6666666666666666, 2.0 + 0.6666666666666666 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
2 8 9 K:
2 8 9 - 13 + *
8.0 - 9.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 8 10 10:
2 10 8 - 10 + *
10.0 - 8.0 = 2.0, 2.0 + 10.0 = 12.0, 2.0 * 12.0 = 24.0
2 8 10 J:
```

2 8 10 - 11 * -
8.0 - 10.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 8 10 Q:
2 8 10 + * 12 -
8.0 + 10.0 = 18.0, 2.0 * 18.0 = 36.0, 36.0 - 12.0 = 24.0
2 8 10 K:
2 13 * 10 - 8 +
2.0 * 13.0 = 26.0, 26.0 - 10.0 = 16.0, 16.0 + 8.0 = 24.0
2 8 J J:
2 11 11 / + 8 *
11.0 / 11.0 = 1.0, 2.0 + 1.0 = 3.0, 3.0 * 8.0 = 24.0
2 8 J Q:
2 11 - 12 + 8 *
2.0 - 11.0 = -9.0, -9.0 + 12.0 = 3.0, 3.0 * 8.0 = 24.0
2 8 J K:
2 8 Q Q:
2 12 12 / + 8 *
12.0 / 12.0 = 1.0, 2.0 + 1.0 = 3.0, 3.0 * 8.0 = 24.0
2 8 Q K:
2 12 - 13 + 8 *
2.0 - 12.0 = -10.0, -10.0 + 13.0 = 3.0, 3.0 * 8.0 = 24.0
2 8 K K:
2 13 13 / + 8 *
13.0 / 13.0 = 1.0, 2.0 + 1.0 = 3.0, 3.0 * 8.0 = 24.0
2 9 9 9:
2 9 9 10:
2 9 9 J:
2 9 9 / 11 + *
9.0 / 9.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 9 9 Q:
2 9 + 9 - 12 *
2.0 + 9.0 = 11.0, 11.0 - 9.0 = 2.0, 2.0 * 12.0 = 24.0
2 9 9 K:
2 13 9 9 / - *
9.0 / 9.0 = 1.0, 13.0 - 1.0 = 12.0, 2.0 * 12.0 = 24.0
2 9 10 10:
9 10 2 / 10 + +
10.0 / 2.0 = 5.0, 5.0 + 10.0 = 15.0, 9.0 + 15.0 = 24.0
2 9 10 J:
2 10 9 - 11 + *
10.0 - 9.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 9 10 Q:
2 10 - 9 12 - *
2.0 - 10.0 = -8.0, 9.0 - 12.0 = -3.0, -8.0 * -3.0 = 24.0
2 9 10 K:
2 9 10 - 13 + *
9.0 - 10.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 9 J J:
2 9 11 - 11 * -
9.0 - 11.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 9 J Q:
2 9 J K:
2 13 * 11 - 9 +
2.0 * 13.0 = 26.0, 26.0 - 11.0 = 15.0, 15.0 + 9.0 = 24.0
2 9 Q Q:
2 9 Q K:
12 2 13 9 - / /
13.0 - 9.0 = 4.0, 2.0 / 4.0 = 0.5, 12.0 / 0.5 = 24.0
2 9 K K:
9 13 + 2 / 13 +
9.0 + 13.0 = 22.0, 22.0 / 2.0 = 11.0, 11.0 + 13.0 = 24.0
2 10 10 10:
2 10 10 J:
2 10 10 / 11 + *
10.0 / 10.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 10 10 Q:
2 10 + 10 - 12 *
2.0 + 10.0 = 12.0, 12.0 - 10.0 = 2.0, 2.0 * 12.0 = 24.0
2 10 10 K:
2 10 - 10 13 - *
2.0 - 10.0 = -8.0, 10.0 - 13.0 = -3.0, -8.0 * -3.0 = 24.0
2 10 J J:
2 11 10 - 11 + *
11.0 - 10.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0
2 10 J Q:
2 10 12 - 11 * -
10.0 - 12.0 = -2.0, -2.0 * 11.0 = -22.0, 2.0 - -22.0 = 24.0
2 10 J K:
2 10 11 - 13 + *
10.0 - 11.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 10 Q Q:
2 10 Q K:
2 13 * 12 - 10 +
2.0 * 13.0 = 26.0, 26.0 - 12.0 = 14.0, 14.0 + 10.0 = 24.0
2 10 K K:
2 J J J:
2 11 11 / 11 + *
11.0 / 11.0 = 1.0, 1.0 + 11.0 = 12.0, 2.0 * 12.0 = 24.0

```
2 J J Q:
2 11 + 11 - 12 *
2.0 + 11.0 = 13.0, 13.0 - 11.0 = 2.0, 2.0 * 12.0 = 24.0
2 J J K:
2 11 11 13 - * -
11.0 - 13.0 = -2.0, 11.0 * -2.0 = -22.0, 2.0 - -22.0 = 24.0
2 J Q Q:
2 11 12 12 / + *
12.0 / 12.0 = 1.0, 11.0 + 1.0 = 12.0, 2.0 * 12.0 = 24.0
2 J Q K:
2 11 12 - 13 + *
11.0 - 12.0 = -1.0, -1.0 + 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 J K K:
2 11 13 13 / + *
13.0 / 13.0 = 1.0, 11.0 + 1.0 = 12.0, 2.0 * 12.0 = 24.0
2 Q Q Q:
2 12 + 12 - 12 *
2.0 + 12.0 = 14.0, 14.0 - 12.0 = 2.0, 2.0 * 12.0 = 24.0
2 Q Q K:
2 12 13 12 - * *
13.0 - 12.0 = 1.0, 12.0 * 1.0 = 12.0, 2.0 * 12.0 = 24.0
2 Q K K:
2 12 13 + 13 - *
12.0 + 13.0 = 25.0, 25.0 - 13.0 = 12.0, 2.0 * 12.0 = 24.0
2 K K K:
2 13 13 13 / - *
13.0 / 13.0 = 1.0, 13.0 - 1.0 = 12.0, 2.0 * 12.0 = 24.0
3 3 3 3:
3 3 * 3 * 3 -
3.0 * 3.0 = 9.0, 9.0 * 3.0 = 27.0, 27.0 - 3.0 = 24.0
3 3 3 4:
3 3 3 4 + * +
3.0 + 4.0 = 7.0, 3.0 * 7.0 = 21.0, 3.0 + 21.0 = 24.0
3 3 3 5:
3 3 * 3 5 * +
3.0 * 3.0 = 9.0, 3.0 * 5.0 = 15.0, 9.0 + 15.0 = 24.0
3 3 3 6:
3 3 + 3 6 * +
3.0 + 3.0 = 6.0, 3.0 * 6.0 = 18.0, 6.0 + 18.0 = 24.0
3 3 3 7:
3 3 3 / 7 + *
3.0 / 3.0 = 1.0, 1.0 + 7.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 3 8:
3 3 + 3 - 8 *
3.0 + 3.0 = 6.0, 6.0 - 3.0 = 3.0, 3.0 * 8.0 = 24.0
3 3 3 9:
3 9 3 3 / - *
3.0 / 3.0 = 1.0, 9.0 - 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 3 10:
3 3 3 10 - * -
3.0 - 10.0 = -7.0, 3.0 * -7.0 = -21.0, 3.0 - -21.0 = 24.0
3 3 3 J:
3 11 * 3 3 * -
3.0 * 11.0 = 33.0, 3.0 * 3.0 = 9.0, 33.0 - 9.0 = 24.0
3 3 3 Q:
3 3 + 3 / 12 *
3.0 + 3.0 = 6.0, 6.0 / 3.0 = 2.0, 2.0 * 12.0 = 24.0
3 3 3 K:
3 3 4 4:
3 3 4 * 4 - *
3.0 * 4.0 = 12.0, 12.0 - 4.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 4 5:
3 3 / 5 + 4 *
3.0 / 3.0 = 1.0, 1.0 + 5.0 = 6.0, 6.0 * 4.0 = 24.0
3 3 4 6:
3 3 - 4 + 6 *
3.0 - 3.0 = 0.0, 0.0 + 4.0 = 4.0, 4.0 * 6.0 = 24.0
3 3 4 7:
3 4 3 - 7 + *
4.0 - 3.0 = 1.0, 1.0 + 7.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 4 8:
3 3 + 8 4 - *
3.0 + 3.0 = 6.0, 8.0 - 4.0 = 4.0, 6.0 * 4.0 = 24.0
3 3 4 9:
3 3 4 - 9 + *
3.0 - 4.0 = -1.0, -1.0 + 9.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 4 10:
3 3 4 J:
3 3 4 11 - * -
4.0 - 11.0 = -7.0, 3.0 * -7.0 = -21.0, 3.0 - -21.0 = 24.0
3 3 4 Q:
3 3 + 4 - 12 *
3.0 + 3.0 = 6.0, 6.0 - 4.0 = 2.0, 2.0 * 12.0 = 24.0
3 3 4 K:
3 13 4 - * 3 -
13.0 - 4.0 = 9.0, 3.0 * 9.0 = 27.0, 27.0 - 3.0 = 24.0
3 3 5 5:
5 5 * 3 3 / -
```

```
5.0 * 5.0 = 25.0, 3.0 / 3.0 = 1.0, 25.0 - 1.0 = 24.0
3 3 5 6:
3 3 + 5 * 6 -
3.0 + 3.0 = 6.0, 6.0 * 5.0 = 30.0, 30.0 - 6.0 = 24.0
3 3 5 7:
3 3 5 * 7 - *
3.0 * 5.0 = 15.0, 15.0 - 7.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 5 8:
3 3 5 9:
3 3 + 9 5 - *
3.0 + 3.0 = 6.0, 9.0 - 5.0 = 4.0, 6.0 * 4.0 = 24.0
3 3 5 10:
3 3 5 - 10 + *
3.0 - 5.0 = -2.0, -2.0 + 10.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 5 J:
3 3 5 Q:
3 3 5 12 - * -
5.0 - 12.0 = -7.0, 3.0 * -7.0 = -21.0, 3.0 - -21.0 = 24.0
3 3 5 K:
3 3 + 5 13 + +
3.0 + 3.0 = 6.0, 5.0 + 13.0 = 18.0, 6.0 + 18.0 = 24.0
3 3 6 6:
3 6 3 / 6 + *
6.0 / 3.0 = 2.0, 2.0 + 6.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 6 7:
3 3 6 - 7 * -
3.0 - 6.0 = -3.0, -3.0 * 7.0 = -21.0, 3.0 - -21.0 = 24.0
3 3 6 8:
3 3 * 6 - 8 *
3.0 * 3.0 = 9.0, 9.0 - 6.0 = 3.0, 3.0 * 8.0 = 24.0
3 3 6 9:
3 3 * 6 9 + +
3.0 * 3.0 = 9.0, 6.0 + 9.0 = 15.0, 9.0 + 15.0 = 24.0
3 3 6 10:
3 3 6 * 10 - *
3.0 * 6.0 = 18.0, 18.0 - 10.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 6 J:
3 3 6 - 11 + *
3.0 - 6.0 = -3.0, -3.0 + 11.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 6 Q:
3 3 + 6 12 + +
3.0 + 3.0 = 6.0, 6.0 + 12.0 = 18.0, 6.0 + 18.0 = 24.0
3 3 6 K:
3 3 6 13 - * -
6.0 - 13.0 = -7.0, 3.0 * -7.0 = -21.0, 3.0 - -21.0 = 24.0
3 3 7 7:
3 3 7 / + 7 *
3.0 / 7.0 = 0.42857142857142855, 3.0 + 0.42857142857142855 = 3.4285714285714284, 3.4285714285714284 * 7.0 = 24.0
3 3 7 8:
3 3 * 7 8 + +
3.0 * 3.0 = 9.0, 7.0 + 8.0 = 15.0, 9.0 + 15.0 = 24.0
3 3 7 9:
3 7 - 3 9 - *
3.0 - 7.0 = -4.0, 3.0 - 9.0 = -6.0, -4.0 * -6.0 = 24.0
3 3 7 10:
3 3 7 J:
3 3 + 7 11 + +
3.0 + 3.0 = 6.0, 7.0 + 11.0 = 18.0, 6.0 + 18.0 = 24.0
3 3 7 Q:
3 3 7 - 12 + *
3.0 - 7.0 = -4.0, -4.0 + 12.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 7 K:
3 3 7 * 13 - *
3.0 * 7.0 = 21.0, 21.0 - 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 8 8:
3 3 8 9:
3 3 8 + * 9 -
3.0 + 8.0 = 11.0, 3.0 * 11.0 = 33.0, 33.0 - 9.0 = 24.0
3 3 8 10:
3 3 + 8 10 + +
3.0 + 3.0 = 6.0, 8.0 + 10.0 = 18.0, 6.0 + 18.0 = 24.0
3 3 8 J:
3 3 8 Q:
3 3 + 12 8 - *
3.0 + 3.0 = 6.0, 12.0 - 8.0 = 4.0, 6.0 * 4.0 = 24.0
3 3 8 K:
3 3 8 - 13 + *
3.0 - 8.0 = -5.0, -5.0 + 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 9 9:
3 3 + 9 9 + +
3.0 + 3.0 = 6.0, 9.0 + 9.0 = 18.0, 6.0 + 18.0 = 24.0
3 3 9 10:
3 3 10 * + 9 -
3.0 * 10.0 = 30.0, 3.0 + 30.0 = 33.0, 33.0 - 9.0 = 24.0
3 3 9 J:
3 11 9 3 / - *
9.0 / 3.0 = 3.0, 11.0 - 3.0 = 8.0, 3.0 * 8.0 = 24.0
3 3 9 Q:
```

```
3 3 9 + * 12 -
3.0 + 9.0 = 12.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
3 3 9 K:
3 3 + 13 9 - *
3.0 + 3.0 = 6.0, 13.0 - 9.0 = 4.0, 6.0 * 4.0 = 24.0
3 3 10 10:
3 3 10 J:
3 3 10 Q:
3 3 10 K:
3 3 / 10 13 + +
3.0 / 3.0 = 1.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
3 3 J J:
3 3 J Q:
3 3 11 * + 12 -
3.0 * 11.0 = 33.0, 3.0 + 33.0 = 36.0, 36.0 - 12.0 = 24.0
3 3 J K:
3 3 11 13 + - -
11.0 + 13.0 = 24.0, 3.0 - 24.0 = -21.0, 3.0 - -21.0 = 24.0
3 3 Q Q:
3 3 12 12 + - -
12.0 + 12.0 = 24.0, 3.0 - 24.0 = -21.0, 3.0 - -21.0 = 24.0
3 3 Q K:
3 13 * 12 3 + -
3.0 * 13.0 = 39.0, 12.0 + 3.0 = 15.0, 39.0 - 15.0 = 24.0
3 3 K K:
3 4 4 4:
3 4 + 4 * 4 -
3.0 + 4.0 = 7.0, 7.0 * 4.0 = 28.0, 28.0 - 4.0 = 24.0
3 4 4 5:
3 4 4 * 5 + +
4.0 * 4.0 = 16.0, 16.0 + 5.0 = 21.0, 3.0 + 21.0 = 24.0
3 4 4 6:
3 4 4 / + 6 *
4.0 / 4.0 = 1.0, 3.0 + 1.0 = 4.0, 4.0 * 6.0 = 24.0
3 4 4 7:
3 4 4 / 7 + *
4.0 / 4.0 = 1.0, 1.0 + 7.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 4 8:
3 4 + 4 - 8 *
3.0 + 4.0 = 7.0, 7.0 - 4.0 = 3.0, 3.0 * 8.0 = 24.0
3 4 4 9:
3 9 4 4 / - *
4.0 / 4.0 = 1.0, 9.0 - 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 4 10:
4 10 3 - * 4 -
10.0 - 3.0 = 7.0, 4.0 * 7.0 = 28.0, 28.0 - 4.0 = 24.0
3 4 4 J:
4 4 * 3 - 11 +
4.0 * 4.0 = 16.0, 16.0 - 3.0 = 13.0, 13.0 + 11.0 = 24.0
3 4 4 Q:
3 4 4 / - 12 *
4.0 / 4.0 = 1.0, 3.0 - 1.0 = 2.0, 2.0 * 12.0 = 24.0
3 4 4 K:
3 4 + 4 13 + +
3.0 + 4.0 = 7.0, 4.0 + 13.0 = 17.0, 7.0 + 17.0 = 24.0
3 4 5 5:
3 4 - 5 5 * +
3.0 - 4.0 = -1.0, 5.0 * 5.0 = 25.0, -1.0 + 25.0 = 24.0
3 4 5 6:
3 4 - 5 + 6 *
3.0 - 4.0 = -1.0, -1.0 + 5.0 = 4.0, 4.0 * 6.0 = 24.0
3 4 5 7:
3 4 * 5 7 + +
3.0 * 4.0 = 12.0, 5.0 + 7.0 = 12.0, 12.0 + 12.0 = 24.0
3 4 5 8:
3 5 + 4 * 8 -
3.0 + 5.0 = 8.0, 8.0 * 4.0 = 32.0, 32.0 - 8.0 = 24.0
3 4 5 9:
3 4 5 - 9 + *
4.0 - 5.0 = -1.0, -1.0 + 9.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 5 10:
3 4 * 5 / 10 *
3.0 * 4.0 = 12.0, 12.0 / 5.0 = 2.4, 2.4 * 10.0 = 24.0
3 4 5 J:
3 4 + 5 * 11 -
3.0 + 4.0 = 7.0, 7.0 * 5.0 = 35.0, 35.0 - 11.0 = 24.0
3 4 5 Q:
3 4 + 5 12 + +
3.0 + 4.0 = 7.0, 5.0 + 12.0 = 17.0, 7.0 + 17.0 = 24.0
3 4 5 K:
3 5 * 4 - 13 +
3.0 * 5.0 = 15.0, 15.0 - 4.0 = 11.0, 11.0 + 13.0 = 24.0
3 4 6 6:
3 4 6 + * 6 -
4.0 + 6.0 = 10.0, 3.0 * 10.0 = 30.0, 30.0 - 6.0 = 24.0
3 4 6 7:
3 4 6 8:
3 4 8 6 - * *
```

```
8.0 - 6.0 = 2.0, 4.0 * 2.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 6 9:
3 6 - 9 + 4 *
3.0 - 6.0 = -3.0, -3.0 + 9.0 = 6.0, 6.0 * 4.0 = 24.0
3 4 6 10:
3 4 6 - 10 + *
4.0 - 6.0 = -2.0, -2.0 + 10.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 6 J:
3 4 + 6 11 + +
3.0 + 4.0 = 7.0, 6.0 + 11.0 = 17.0, 7.0 + 17.0 = 24.0
3 4 6 Q:
3 4 * 6 / 12 *
3.0 * 4.0 = 12.0, 12.0 / 6.0 = 2.0, 2.0 * 12.0 = 24.0
3 4 6 K:
3 13 + 6 * 4 /
3.0 + 13.0 = 16.0, 16.0 * 6.0 = 96.0, 96.0 / 4.0 = 24.0
3 4 7 7:
3 4 7 - 7 * -
4.0 - 7.0 = -3.0, -3.0 * 7.0 = -21.0, 3.0 - -21.0 = 24.0
3 4 7 8:
4 7 3 - * 8 +
7.0 - 3.0 = 4.0, 4.0 * 4.0 = 16.0, 16.0 + 8.0 = 24.0
3 4 7 9:
3 4 7 + * 9 -
4.0 + 7.0 = 11.0, 3.0 * 11.0 = 33.0, 33.0 - 9.0 = 24.0
3 4 7 10:
3 4 + 7 10 + +
3.0 + 4.0 = 7.0, 7.0 + 10.0 = 17.0, 7.0 + 17.0 = 24.0
3 4 7 J:
3 4 7 - 11 + *
4.0 - 7.0 = -3.0, -3.0 + 11.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 7 Q:
3 7 4 / 12 * +
7.0 / 4.0 = 1.75, 1.75 * 12.0 = 21.0, 3.0 + 21.0 = 24.0
3 4 7 K:
3 4 8 8:
3 4 8 9:
3 4 + 8 9 + +
3.0 + 4.0 = 7.0, 8.0 + 9.0 = 17.0, 7.0 + 17.0 = 24.0
3 4 8 10:
3 4 10 8 - * *
10.0 - 8.0 = 2.0, 4.0 * 2.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 8 J:
3 4 8 * + 11 -
4.0 * 8.0 = 32.0, 3.0 + 32.0 = 35.0, 35.0 - 11.0 = 24.0
3 4 8 Q:
3 4 8 + * 12 -
4.0 + 8.0 = 12.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
3 4 8 K:
8 3 13 4 - / /
13.0 - 4.0 = 9.0, 3.0 / 9.0 = 0.3333333333333333, 8.0 / 0.3333333333333333 = 24.0
3 4 9 9:
3 9 4 - * 9 +
9.0 - 4.0 = 5.0, 3.0 * 5.0 = 15.0, 15.0 + 9.0 = 24.0
3 4 9 10:
3 4 9 J:
3 4 11 9 - * *
11.0 - 9.0 = 2.0, 4.0 * 2.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 9 Q:
3 4 12 / - 9 *
4.0 / 12.0 = 0.3333333333333333, 3.0 - 0.3333333333333333 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
3 4 9 K:
3 4 9 - 13 + *
4.0 - 9.0 = -5.0, -5.0 + 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 10 10:
3 10 * 4 + 10 -
3.0 * 10.0 = 30.0, 30.0 + 4.0 = 34.0, 34.0 - 10.0 = 24.0
3 4 10 J:
3 4 10 Q:
3 4 * 10 - 12 *
3.0 * 4.0 = 12.0, 12.0 - 10.0 = 2.0, 2.0 * 12.0 = 24.0
3 4 10 K:
3 10 - 13 + 4 *
3.0 - 10.0 = -7.0, -7.0 + 13.0 = 6.0, 6.0 * 4.0 = 24.0
3 4 J J:
3 4 J Q:
3 11 12 4 / - *
12.0 / 4.0 = 3.0, 11.0 - 3.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 J K:
3 4 13 11 - * *
13.0 - 11.0 = 2.0, 4.0 * 2.0 = 8.0, 3.0 * 8.0 = 24.0
3 4 Q Q:
4 3 - 12 12 + *
4.0 - 3.0 = 1.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
3 4 Q K:
3 4 12 13 + - -
12.0 + 13.0 = 25.0, 4.0 - 25.0 = -21.0, 3.0 - -21.0 = 24.0
3 4 K K:
```

```
3 5 5 5:
3 5 5 6:
3 5 5 + * 6 -
5.0 + 5.0 = 10.0, 3.0 * 10.0 = 30.0, 30.0 - 6.0 = 24.0
3 5 5 7:
3 5 5 / 7 + *
5.0 / 5.0 = 1.0, 1.0 + 7.0 = 8.0, 3.0 * 8.0 = 24.0
3 5 5 8:
3 5 + 5 - 8 *
3.0 + 5.0 = 8.0, 8.0 - 5.0 = 3.0, 3.0 * 8.0 = 24.0
3 5 5 9:
3 9 5 / + 5 *
9.0 / 5.0 = 1.8, 3.0 + 1.8 = 4.8, 4.8 * 5.0 = 24.0
3 5 5 10:
3 5 5 J:
3 5 + 5 11 + +
3.0 + 5.0 = 8.0, 5.0 + 11.0 = 16.0, 8.0 + 16.0 = 24.0
3 5 5 Q:
3 5 5 / - 12 *
5.0 / 5.0 = 1.0, 3.0 - 1.0 = 2.0, 2.0 * 12.0 = 24.0
3 5 5 K:
3 5 6 6:
3 5 - 6 + 6 *
3.0 - 5.0 = -2.0, -2.0 + 6.0 = 4.0, 4.0 * 6.0 = 24.0
3 5 6 7:
3 6 5 - 7 + *
6.0 - 5.0 = 1.0, 1.0 + 7.0 = 8.0, 3.0 * 8.0 = 24.0
3 5 6 8:
3 6 5 - 8 * *
6.0 - 5.0 = 1.0, 1.0 * 8.0 = 8.0, 3.0 * 8.0 = 24.0
3 5 6 9:
3 5 6 + * 9 -
5.0 + 6.0 = 11.0, 3.0 * 11.0 = 33.0, 33.0 - 9.0 = 24.0
3 5 6 10:
3 5 + 6 10 + +
3.0 + 5.0 = 8.0, 6.0 + 10.0 = 16.0, 8.0 + 16.0 = 24.0
3 5 6 J:
3 5 * 11 - 6 *
3.0 * 5.0 = 15.0, 15.0 - 11.0 = 4.0, 4.0 * 6.0 = 24.0
3 5 6 Q:
3 5 + 6 - 12 *
3.0 + 5.0 = 8.0, 8.0 - 6.0 = 2.0, 2.0 * 12.0 = 24.0
3 5 6 K:
3 6 - 5 13 - *
3.0 - 6.0 = -3.0, 5.0 - 13.0 = -8.0, -3.0 * -8.0 = 24.0
3 5 7 7:
3 5 7 8:
3 5 8 - 7 * -
5.0 - 8.0 = -3.0, -3.0 * 7.0 = -21.0, 3.0 - -21.0 = 24.0
3 5 7 9:
3 5 + 7 9 + +
3.0 + 5.0 = 8.0, 7.0 + 9.0 = 16.0, 8.0 + 16.0 = 24.0
3 5 7 10:
3 5 7 - 10 + *
5.0 - 7.0 = -2.0, -2.0 + 10.0 = 8.0, 3.0 * 8.0 = 24.0
3 5 7 J:
3 7 - 5 11 - *
3.0 - 7.0 = -4.0, 5.0 - 11.0 = -6.0, -4.0 * -6.0 = 24.0
3 5 7 Q:
3 5 7 + * 12 -
5.0 + 7.0 = 12.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
3 5 7 K:
5 13 * 7 + 3 /
5.0 * 13.0 = 65.0, 65.0 + 7.0 = 72.0, 72.0 / 3.0 = 24.0
3 5 8 8:
3 5 + 8 8 + +
3.0 + 5.0 = 8.0, 8.0 + 8.0 = 16.0, 8.0 + 16.0 = 24.0
3 5 8 9:
3 9 * 8 - 5 +
3.0 * 9.0 = 27.0, 27.0 - 8.0 = 19.0, 19.0 + 5.0 = 24.0
3 5 8 10:
3 5 8 J:
3 5 8 - 11 + *
5.0 - 8.0 = -3.0, -3.0 + 11.0 = 8.0, 3.0 * 8.0 = 24.0
3 5 8 Q:
3 5 * 12 - 8 *
3.0 * 5.0 = 15.0, 15.0 - 12.0 = 3.0, 3.0 * 8.0 = 24.0
3 5 8 K:
5 8 * 3 13 + -
5.0 * 8.0 = 40.0, 3.0 + 13.0 = 16.0, 40.0 - 16.0 = 24.0
3 5 9 9:
3 9 - 5 9 - *
3.0 - 9.0 = -6.0, 5.0 - 9.0 = -4.0, -6.0 * -4.0 = 24.0
3 5 9 10:
3 9 + 5 / 10 *
3.0 + 9.0 = 12.0, 12.0 / 5.0 = 2.4, 2.4 * 10.0 = 24.0
3 5 9 J:
3 5 9 Q:
```

3 5 9 - 12 + *
5.0 - 9.0 = -4.0, -4.0 + 12.0 = 8.0, 3.0 * 8.0 = 24.0
3 5 9 K:
3 9 13 * + 5 /
9.0 * 13.0 = 117.0, 3.0 + 117.0 = 120.0, 120.0 / 5.0 = 24.0
3 5 10 10:
3 10 10 5 / - *
10.0 / 5.0 = 2.0, 10.0 - 2.0 = 8.0, 3.0 * 8.0 = 24.0
3 5 10 J:
3 10 * 5 + 11 -
3.0 * 10.0 = 30.0, 30.0 + 5.0 = 35.0, 35.0 - 11.0 = 24.0
3 5 10 Q:
5 3 10 12 + - -
10.0 + 12.0 = 22.0, 3.0 - 22.0 = -19.0, 5.0 - -19.0 = 24.0
3 5 10 K:
3 5 10 - 13 + *
5.0 - 10.0 = -5.0, -5.0 + 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 5 J J:
5 3 11 11 + - -
11.0 + 11.0 = 22.0, 3.0 - 22.0 = -19.0, 5.0 - -19.0 = 24.0
3 5 J Q:
11 5 - 3 / 12 *
11.0 - 5.0 = 6.0, 6.0 / 3.0 = 2.0, 2.0 * 12.0 = 24.0
3 5 J K:
3 5 Q Q:
5 12 * 3 12 * -
5.0 * 12.0 = 60.0, 3.0 * 12.0 = 36.0, 60.0 - 36.0 = 24.0
3 5 Q K:
3 5 * 13 - 12 *
3.0 * 5.0 = 15.0, 15.0 - 13.0 = 2.0, 2.0 * 12.0 = 24.0
3 5 K K:
3 5 13 13 + - -
13.0 + 13.0 = 26.0, 5.0 - 26.0 = -21.0, 3.0 - -21.0 = 24.0
3 6 6 6:
3 6 6 / + 6 *
6.0 / 6.0 = 1.0, 3.0 + 1.0 = 4.0, 4.0 * 6.0 = 24.0
3 6 6 7:
3 6 6 / 7 + *
6.0 / 6.0 = 1.0, 1.0 + 7.0 = 8.0, 3.0 * 8.0 = 24.0
3 6 6 8:
3 6 + 6 - 8 *
3.0 + 6.0 = 9.0, 9.0 - 6.0 = 3.0, 3.0 * 8.0 = 24.0
3 6 6 9:
3 6 + 6 9 + +
3.0 + 6.0 = 9.0, 6.0 + 9.0 = 15.0, 9.0 + 15.0 = 24.0
3 6 6 10:
6 3 - 10 * 6 -
6.0 - 3.0 = 3.0, 3.0 * 10.0 = 30.0, 30.0 - 6.0 = 24.0
3 6 6 J:
6 6 11 * + 3 /
6.0 * 11.0 = 66.0, 6.0 + 66.0 = 72.0, 72.0 / 3.0 = 24.0
3 6 6 Q:
3 6 6 + * 12 -
6.0 + 6.0 = 12.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
3 6 6 K:
6 13 6 3 + - *
6.0 + 3.0 = 9.0, 13.0 - 9.0 = 4.0, 6.0 * 4.0 = 24.0
3 6 7 7:
3 7 6 - 7 + *
7.0 - 6.0 = 1.0, 1.0 + 7.0 = 8.0, 3.0 * 8.0 = 24.0
3 6 7 8:
3 6 + 7 8 + +
3.0 + 6.0 = 9.0, 7.0 + 8.0 = 15.0, 9.0 + 15.0 = 24.0
3 6 7 9:
3 6 7 - 9 + *
6.0 - 7.0 = -1.0, -1.0 + 9.0 = 8.0, 3.0 * 8.0 = 24.0
3 6 7 10:
6 3 / 7 * 10 +
6.0 / 3.0 = 2.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
3 6 7 J:
3 6 7 Q:
3 6 + 7 - 12 *
3.0 + 6.0 = 9.0, 9.0 - 7.0 = 2.0, 2.0 * 12.0 = 24.0
3 6 7 K:
3 6 * 7 - 13 +
3.0 * 6.0 = 18.0, 18.0 - 7.0 = 11.0, 11.0 + 13.0 = 24.0
3 6 8 8:
3 8 8 / + 6 *
8.0 / 8.0 = 1.0, 3.0 + 1.0 = 4.0, 4.0 * 6.0 = 24.0
3 6 8 9:
3 8 - 9 + 6 *
3.0 - 8.0 = -5.0, -5.0 + 9.0 = 4.0, 4.0 * 6.0 = 24.0
3 6 8 10:
3 6 8 - 10 + *
6.0 - 8.0 = -2.0, -2.0 + 10.0 = 8.0, 3.0 * 8.0 = 24.0
3 6 8 J:
3 6 8 Q:
6 8 12 3 / - *

```
12.0 / 3.0 = 4.0, 8.0 - 4.0 = 4.0, 6.0 * 4.0 = 24.0
3 6 8 K:
6 3 8 13 + - -
8.0 + 13.0 = 21.0, 3.0 - 21.0 = -18.0, 6.0 - -18.0 = 24.0
3 6 9 9:
3 9 * 6 + 9 -
3.0 * 9.0 = 27.0, 27.0 + 6.0 = 33.0, 33.0 - 9.0 = 24.0
3 6 9 10:
3 9 - 6 10 - *
3.0 - 9.0 = -6.0, 6.0 - 10.0 = -4.0, -6.0 * -4.0 = 24.0
3 6 9 J:
3 6 9 - 11 + *
6.0 - 9.0 = -3.0, -3.0 + 11.0 = 8.0, 3.0 * 8.0 = 24.0
3 6 9 Q:
3 6 * 9 / 12 *
3.0 * 6.0 = 18.0, 18.0 / 9.0 = 2.0, 2.0 * 12.0 = 24.0
3 6 9 K:
3 13 + 9 * 6 /
3.0 + 13.0 = 16.0, 16.0 * 9.0 = 144.0, 144.0 / 6.0 = 24.0
3 6 10 10:
3 6 10 / - 10 *
6.0 / 10.0 = 0.6, 3.0 - 0.6 = 2.4, 2.4 * 10.0 = 24.0
3 6 10 J:
3 10 - 11 + 6 *
3.0 - 10.0 = -7.0, -7.0 + 11.0 = 4.0, 4.0 * 6.0 = 24.0
3 6 10 Q:
3 6 10 - 12 + *
6.0 - 10.0 = -4.0, -4.0 + 12.0 = 8.0, 3.0 * 8.0 = 24.0
3 6 10 K:
3 6 J J:
3 11 11 / + 6 *
11.0 / 11.0 = 1.0, 3.0 + 1.0 = 4.0, 4.0 * 6.0 = 24.0
3 6 J Q:
3 11 - 12 + 6 *
3.0 - 11.0 = -8.0, -8.0 + 12.0 = 4.0, 4.0 * 6.0 = 24.0
3 6 J K:
3 6 11 - 13 + *
6.0 - 11.0 = -5.0, -5.0 + 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 6 Q Q:
3 12 12 / + 6 *
12.0 / 12.0 = 1.0, 3.0 + 1.0 = 4.0, 4.0 * 6.0 = 24.0
3 6 Q K:
3 12 - 13 + 6 *
3.0 - 12.0 = -9.0, -9.0 + 13.0 = 4.0, 4.0 * 6.0 = 24.0
3 6 K K:
3 13 13 / + 6 *
13.0 / 13.0 = 1.0, 3.0 + 1.0 = 4.0, 4.0 * 6.0 = 24.0
3 7 7 7:
3 7 + 7 7 + +
3.0 + 7.0 = 10.0, 7.0 + 7.0 = 14.0, 10.0 + 14.0 = 24.0
3 7 7 8:
3 7 + 7 - 8 *
3.0 + 7.0 = 10.0, 10.0 - 7.0 = 3.0, 3.0 * 8.0 = 24.0
3 7 7 9:
3 9 7 7 / - *
7.0 / 7.0 = 1.0, 9.0 - 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 7 10:
3 7 7 10 - * -
7.0 - 10.0 = -3.0, 7.0 * -3.0 = -21.0, 3.0 - -21.0 = 24.0
3 7 7 J:
3 7 7 Q:
3 7 7 / - 12 *
7.0 / 7.0 = 1.0, 3.0 - 1.0 = 2.0, 2.0 * 12.0 = 24.0
3 7 7 K:
3 7 - 7 13 - *
3.0 - 7.0 = -4.0, 7.0 - 13.0 = -6.0, -4.0 * -6.0 = 24.0
3 7 8 8:
3 7 8 8 / + *
8.0 / 8.0 = 1.0, 7.0 + 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 8 9:
3 7 8 - 9 + *
7.0 - 8.0 = -1.0, -1.0 + 9.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 8 10:
3 7 8 J:
3 7 8 11 - * -
8.0 - 11.0 = -3.0, 7.0 * -3.0 = -21.0, 3.0 - -21.0 = 24.0
3 7 8 Q:
3 7 + 8 - 12 *
3.0 + 7.0 = 10.0, 10.0 - 8.0 = 2.0, 2.0 * 12.0 = 24.0
3 7 8 K:
3 13 * 8 7 + -
3.0 * 13.0 = 39.0, 8.0 + 7.0 = 15.0, 39.0 - 15.0 = 24.0
3 7 9 9:
3 7 9 9 / + *
9.0 / 9.0 = 1.0, 7.0 + 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 9 10:
3 7 9 - 10 + *
7.0 - 9.0 = -2.0, -2.0 + 10.0 = 8.0, 3.0 * 8.0 = 24.0
```

3 7 9 J:
3 9 - 7 11 - *
3.0 - 9.0 = -6.0, 7.0 - 11.0 = -4.0, -6.0 * -4.0 = 24.0
3 7 9 Q:
3 7 9 12 - * -
9.0 - 12.0 = -3.0, 7.0 * -3.0 = -21.0, 3.0 - -21.0 = 24.0
3 7 9 K:
7 9 * 3 13 * -
7.0 * 9.0 = 63.0, 3.0 * 13.0 = 39.0, 63.0 - 39.0 = 24.0
3 7 10 10:
3 7 10 10 / + *
10.0 / 10.0 = 1.0, 7.0 + 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 10 J:
3 7 10 - 11 + *
7.0 - 10.0 = -3.0, -3.0 + 11.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 10 Q:
3 7 10 K:
3 7 10 13 - * -
10.0 - 13.0 = -3.0, 7.0 * -3.0 = -21.0, 3.0 - -21.0 = 24.0
3 7 J J:
3 7 11 11 / + *
11.0 / 11.0 = 1.0, 7.0 + 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 J Q:
3 7 11 - 12 + *
7.0 - 11.0 = -4.0, -4.0 + 12.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 J K:
3 7 Q Q:
3 7 12 12 / + *
12.0 / 12.0 = 1.0, 7.0 + 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 Q K:
3 7 12 - 13 + *
7.0 - 12.0 = -5.0, -5.0 + 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 7 K K:
3 7 13 13 / + *
13.0 / 13.0 = 1.0, 7.0 + 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 8 8:
3 8 + 8 - 8 *
3.0 + 8.0 = 11.0, 11.0 - 8.0 = 3.0, 3.0 * 8.0 = 24.0
3 8 8 9:
3 8 9 8 - * *
9.0 - 8.0 = 1.0, 8.0 * 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 8 10:
8 10 * 8 - 3 /
8.0 * 10.0 = 80.0, 80.0 - 8.0 = 72.0, 72.0 / 3.0 = 24.0
3 8 8 J:
8 3 8 11 + - -
8.0 + 11.0 = 19.0, 3.0 - 19.0 = -16.0, 8.0 - -16.0 = 24.0
3 8 8 Q:
3 8 8 / - 12 *
8.0 / 8.0 = 1.0, 3.0 - 1.0 = 2.0, 2.0 * 12.0 = 24.0
3 8 8 K:
3 8 9 9:
3 8 9 + 9 - *
8.0 + 9.0 = 17.0, 17.0 - 9.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 9 10:
3 8 10 9 - * *
10.0 - 9.0 = 1.0, 8.0 * 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 9 J:
3 9 * 8 + 11 -
3.0 * 9.0 = 27.0, 27.0 + 8.0 = 35.0, 35.0 - 11.0 = 24.0
3 8 9 Q:
3 8 + 9 - 12 *
3.0 + 8.0 = 11.0, 11.0 - 9.0 = 2.0, 2.0 * 12.0 = 24.0
3 8 9 K:
3 13 8 - * 9 +
13.0 - 8.0 = 5.0, 3.0 * 5.0 = 15.0, 15.0 + 9.0 = 24.0
3 8 10 10:
3 8 10 + 10 - *
8.0 + 10.0 = 18.0, 18.0 - 10.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 10 J:
3 8 11 10 - * *
11.0 - 10.0 = 1.0, 8.0 * 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 10 Q:
10 8 3 - / 12 *
8.0 - 3.0 = 5.0, 10.0 / 5.0 = 2.0, 2.0 * 12.0 = 24.0
3 8 10 K:
3 8 J J:
3 8 11 + 11 - *
8.0 + 11.0 = 19.0, 19.0 - 11.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 J Q:
3 8 12 11 - * *
12.0 - 11.0 = 1.0, 8.0 * 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 J K:
3 8 Q Q:
3 8 12 + 12 - *
8.0 + 12.0 = 20.0, 20.0 - 12.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 Q K:
3 8 13 12 - * *

```
13.0 - 12.0 = 1.0, 8.0 * 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 8 K K:
3 8 13 + 13 - *
8.0 + 13.0 = 21.0, 21.0 - 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 9 9 9:
3 9 9 9 / - *
9.0 / 9.0 = 1.0, 9.0 - 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 9 9 10:
3 9 9 + 10 - *
9.0 + 9.0 = 18.0, 18.0 - 10.0 = 8.0, 3.0 * 8.0 = 24.0
3 9 9 J:
3 9 + 11 9 - *
3.0 + 9.0 = 12.0, 11.0 - 9.0 = 2.0, 12.0 * 2.0 = 24.0
3 9 9 Q:
3 9 * 9 + 12 -
3.0 * 9.0 = 27.0, 27.0 + 9.0 = 36.0, 36.0 - 12.0 = 24.0
3 9 9 K:
3 9 - 9 13 - *
3.0 - 9.0 = -6.0, 9.0 - 13.0 = -4.0, -6.0 * -4.0 = 24.0
3 9 10 10:
3 9 10 10 / - *
10.0 / 10.0 = 1.0, 9.0 - 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 9 10 J:
3 9 10 + 11 - *
9.0 + 10.0 = 19.0, 19.0 - 11.0 = 8.0, 3.0 * 8.0 = 24.0
3 9 10 Q:
3 9 + 10 - 12 *
3.0 + 9.0 = 12.0, 12.0 - 10.0 = 2.0, 2.0 * 12.0 = 24.0
3 9 10 K:
3 9 * 10 + 13 -
3.0 * 9.0 = 27.0, 27.0 + 10.0 = 37.0, 37.0 - 13.0 = 24.0
3 9 J J:
3 9 11 / - 11 *
9.0 / 11.0 = 0.8181818181818182, 3.0 - 0.8181818181818182 = 2.1818181818181817, 2.1818181818181817 * 11.0 = 24.0
3 9 J Q:
3 9 11 + 12 - *
9.0 + 11.0 = 20.0, 20.0 - 12.0 = 8.0, 3.0 * 8.0 = 24.0
3 9 J K:
3 9 + 13 11 - *
3.0 + 9.0 = 12.0, 13.0 - 11.0 = 2.0, 12.0 * 2.0 = 24.0
3 9 Q Q:
3 9 12 12 / - *
12.0 / 12.0 = 1.0, 9.0 - 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 9 Q K:
3 9 12 + 13 - *
9.0 + 12.0 = 21.0, 21.0 - 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 9 K K:
3 9 13 13 / - *
13.0 / 13.0 = 1.0, 9.0 - 1.0 = 8.0, 3.0 * 8.0 = 24.0
3 10 10 10:
3 10 10 J:
3 10 10 Q:
3 10 10 + 12 - *
10.0 + 10.0 = 20.0, 20.0 - 12.0 = 8.0, 3.0 * 8.0 = 24.0
3 10 10 K:
3 10 J J:
3 10 J Q:
3 10 + 11 - 12 *
3.0 + 10.0 = 13.0, 13.0 - 11.0 = 2.0, 2.0 * 12.0 = 24.0
3 10 J K:
3 10 11 + 13 - *
10.0 + 11.0 = 21.0, 21.0 - 13.0 = 8.0, 3.0 * 8.0 = 24.0
3 10 Q Q:
3 10 Q K:
3 10 K K:
3 J J J:
3 J J Q:
3 11 11 / - 12 *
11.0 / 11.0 = 1.0, 3.0 - 1.0 = 2.0, 2.0 * 12.0 = 24.0
3 J J K:
3 J Q Q:
3 11 + 12 - 12 *
3.0 + 11.0 = 14.0, 14.0 - 12.0 = 2.0, 2.0 * 12.0 = 24.0
3 J Q K:
3 J K K:
3 Q Q Q:
3 12 12 / - 12 *
12.0 / 12.0 = 1.0, 3.0 - 1.0 = 2.0, 2.0 * 12.0 = 24.0
3 Q Q K:
3 12 + 13 - 12 *
3.0 + 12.0 = 15.0, 15.0 - 13.0 = 2.0, 2.0 * 12.0 = 24.0
3 Q K K:
3 13 13 / - 12 *
13.0 / 13.0 = 1.0, 3.0 - 1.0 = 2.0, 2.0 * 12.0 = 24.0
3 K K K:
4 4 4 4:
4 4 + 4 4 * +
4.0 + 4.0 = 8.0, 4.0 * 4.0 = 16.0, 8.0 + 16.0 = 24.0
```

```
4 4 4 5:
4 4 4 / 5 + *
4.0 / 4.0 = 1.0, 1.0 + 5.0 = 6.0, 4.0 * 6.0 = 24.0
4 4 4 6:
4 4 + 4 - 6 *
4.0 + 4.0 = 8.0, 8.0 - 4.0 = 4.0, 4.0 * 6.0 = 24.0
4 4 4 7:
4 4 + 7 4 - *
4.0 + 4.0 = 8.0, 7.0 - 4.0 = 3.0, 8.0 * 3.0 = 24.0
4 4 4 8:
4 4 + 4 * 8 -
4.0 + 4.0 = 8.0, 8.0 * 4.0 = 32.0, 32.0 - 8.0 = 24.0
4 4 4 9:
4 4 4 9 - * -
4.0 - 9.0 = -5.0, 4.0 * -5.0 = -20.0, 4.0 - -20.0 = 24.0
4 4 4 10:
4 4 4 * 10 - *
4.0 * 4.0 = 16.0, 16.0 - 10.0 = 6.0, 4.0 * 6.0 = 24.0
4 4 4 J:
4 11 4 - * 4 -
11.0 - 4.0 = 7.0, 4.0 * 7.0 = 28.0, 28.0 - 4.0 = 24.0
4 4 4 Q:
4 4 + 4 12 + +
4.0 + 4.0 = 8.0, 4.0 + 12.0 = 16.0, 8.0 + 16.0 = 24.0
4 4 4 K:
4 4 5 5:
4 4 5 / + 5 *
4.0 / 5.0 = 0.8, 4.0 + 0.8 = 4.8, 4.8 * 5.0 = 24.0
4 4 5 6:
4 5 4 - 6 * *
5.0 - 4.0 = 1.0, 1.0 * 6.0 = 6.0, 4.0 * 6.0 = 24.0
4 4 5 7:
4 4 5 - 7 + *
4.0 - 5.0 = -1.0, -1.0 + 7.0 = 6.0, 4.0 * 6.0 = 24.0
4 4 5 8:
4 4 + 5 - 8 *
4.0 + 4.0 = 8.0, 8.0 - 5.0 = 3.0, 3.0 * 8.0 = 24.0
4 4 5 9:
4 4 5 10:
4 4 5 10 - * -
5.0 - 10.0 = -5.0, 4.0 * -5.0 = -20.0, 4.0 - -20.0 = 24.0
4 4 5 J:
4 4 + 5 11 + +
4.0 + 4.0 = 8.0, 5.0 + 11.0 = 16.0, 8.0 + 16.0 = 24.0
4 4 5 Q:
4 4 5 + * 12 -
4.0 + 5.0 = 9.0, 4.0 * 9.0 = 36.0, 36.0 - 12.0 = 24.0
4 4 5 K:
4 4 * 5 - 13 +
4.0 * 4.0 = 16.0, 16.0 - 5.0 = 11.0, 11.0 + 13.0 = 24.0
4 4 6 6:
4 4 6 7:
4 4 6 8:
4 4 6 - 8 + *
4.0 - 6.0 = -2.0, -2.0 + 8.0 = 6.0, 4.0 * 6.0 = 24.0
4 4 6 9:
4 4 * 6 / 9 *
4.0 * 4.0 = 16.0, 16.0 / 6.0 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
4 4 6 10:
4 4 + 6 10 + +
4.0 + 4.0 = 8.0, 6.0 + 10.0 = 16.0, 8.0 + 16.0 = 24.0
4 4 6 J:
4 4 6 11 - * -
6.0 - 11.0 = -5.0, 4.0 * -5.0 = -20.0, 4.0 - -20.0 = 24.0
4 4 6 Q:
4 4 + 6 - 12 *
4.0 + 4.0 = 8.0, 8.0 - 6.0 = 2.0, 2.0 * 12.0 = 24.0
4 4 6 K:
4 13 6 - * 4 -
13.0 - 6.0 = 7.0, 4.0 * 7.0 = 28.0, 28.0 - 4.0 = 24.0
4 4 7 7:
4 4 7 / - 7 *
4.0 / 7.0 = 0.5714285714285714, 4.0 - 0.5714285714285714 = 3.428571428571429, 3.428571428571429 * 7.0 = 24.0
4 4 7 8:
4 4 7 * + 8 -
4.0 * 7.0 = 28.0, 4.0 + 28.0 = 32.0, 32.0 - 8.0 = 24.0
4 4 7 9:
4 4 + 7 9 + +
4.0 + 4.0 = 8.0, 7.0 + 9.0 = 16.0, 8.0 + 16.0 = 24.0
4 4 7 10:
4 4 + 10 7 - *
4.0 + 4.0 = 8.0, 10.0 - 7.0 = 3.0, 8.0 * 3.0 = 24.0
4 4 7 J:
4 4 7 Q:
4 4 7 12 - * -
7.0 - 12.0 = -5.0, 4.0 * -5.0 = -20.0, 4.0 - -20.0 = 24.0
4 4 7 K:
4 13 * 7 4 * -
```

4.0 * 13.0 = 52.0, 7.0 * 4.0 = 28.0, 52.0 - 28.0 = 24.0
4 4 8 8:
4 4 + 8 8 + +
4.0 + 4.0 = 8.0, 8.0 + 8.0 = 16.0, 8.0 + 16.0 = 24.0
4 4 8 9:
4 9 * 8 4 + -
4.0 * 9.0 = 36.0, 8.0 + 4.0 = 12.0, 36.0 - 12.0 = 24.0
4 4 8 10:
4 4 8 - 10 + *
4.0 - 8.0 = -4.0, -4.0 + 10.0 = 6.0, 4.0 * 6.0 = 24.0
4 4 8 J:
4 4 + 11 8 - *
4.0 + 4.0 = 8.0, 11.0 - 8.0 = 3.0, 8.0 * 3.0 = 24.0
4 4 8 Q:
4 4 8 * + 12 -
4.0 * 8.0 = 32.0, 4.0 + 32.0 = 36.0, 36.0 - 12.0 = 24.0
4 4 8 K:
4 4 8 13 - * -
8.0 - 13.0 = -5.0, 4.0 * -5.0 = -20.0, 4.0 - -20.0 = 24.0
4 4 9 9:
4 4 9 10:
4 4 9 J:
4 4 9 - 11 + *
4.0 - 9.0 = -5.0, -5.0 + 11.0 = 6.0, 4.0 * 6.0 = 24.0
4 4 9 Q:
4 4 + 12 9 - *
4.0 + 4.0 = 8.0, 12.0 - 9.0 = 3.0, 8.0 * 3.0 = 24.0
4 4 9 K:
4 4 10 10:
10 10 * 4 - 4 /
10.0 * 10.0 = 100.0, 100.0 - 4.0 = 96.0, 96.0 / 4.0 = 24.0
4 4 10 J:
4 4 10 Q:
4 4 10 - 12 + *
4.0 - 10.0 = -6.0, -6.0 + 12.0 = 6.0, 4.0 * 6.0 = 24.0
4 4 10 K:
4 4 / 10 13 + +
4.0 / 4.0 = 1.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
4 4 J J:
4 4 J Q:
4 4 / 11 12 + +
4.0 / 4.0 = 1.0, 11.0 + 12.0 = 23.0, 1.0 + 23.0 = 24.0
4 4 J K:
4 4 11 13 + - -
11.0 + 13.0 = 24.0, 4.0 - 24.0 = -20.0, 4.0 - -20.0 = 24.0
4 4 Q Q:
4 4 12 12 + - -
12.0 + 12.0 = 24.0, 4.0 - 24.0 = -20.0, 4.0 - -20.0 = 24.0
4 4 Q K:
4 13 4 - * 12 -
13.0 - 4.0 = 9.0, 4.0 * 9.0 = 36.0, 36.0 - 12.0 = 24.0
4 4 K K:
4 5 5 5:
4 5 - 5 5 * +
4.0 - 5.0 = -1.0, 5.0 * 5.0 = 25.0, -1.0 + 25.0 = 24.0
4 5 5 6:
4 5 + 5 - 6 *
4.0 + 5.0 = 9.0, 9.0 - 5.0 = 4.0, 4.0 * 6.0 = 24.0
4 5 5 7:
4 7 5 5 / - *
5.0 / 5.0 = 1.0, 7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 5 8:
4 5 5 / - 8 *
5.0 / 5.0 = 1.0, 4.0 - 1.0 = 3.0, 3.0 * 8.0 = 24.0
4 5 5 9:
4 5 5 9 - * -
5.0 - 9.0 = -4.0, 5.0 * -4.0 = -20.0, 4.0 - -20.0 = 24.0
4 5 5 10:
4 5 + 5 10 + +
4.0 + 5.0 = 9.0, 5.0 + 10.0 = 15.0, 9.0 + 15.0 = 24.0
4 5 5 J:
4 5 5 Q:
4 5 5 K:
4 5 6 6:
4 5 6 6 / + *
6.0 / 6.0 = 1.0, 5.0 + 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 6 7:
4 5 6 - 7 + *
5.0 - 6.0 = -1.0, -1.0 + 7.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 6 8:
4 5 + 6 - 8 *
4.0 + 5.0 = 9.0, 9.0 - 6.0 = 3.0, 3.0 * 8.0 = 24.0
4 5 6 9:
4 5 + 6 9 + +
4.0 + 5.0 = 9.0, 6.0 + 9.0 = 15.0, 9.0 + 15.0 = 24.0
4 5 6 10:
4 5 6 10 - * -
6.0 - 10.0 = -4.0, 5.0 * -4.0 = -20.0, 4.0 - -20.0 = 24.0

```
4 5 6 J:
5 11 + 6 * 4 /
5.0 + 11.0 = 16.0, 16.0 * 6.0 = 96.0, 96.0 / 4.0 = 24.0
4 5 6 Q:
4 6 + 5 / 12 *
4.0 + 6.0 = 10.0, 10.0 / 5.0 = 2.0, 2.0 * 12.0 = 24.0
4 5 6 K:
6 13 4 5 + - *
4.0 + 5.0 = 9.0, 13.0 - 9.0 = 4.0, 6.0 * 4.0 = 24.0
4 5 7 7:
4 5 7 7 / + *
7.0 / 7.0 = 1.0, 5.0 + 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 7 8:
4 5 + 7 8 + +
4.0 + 5.0 = 9.0, 7.0 + 8.0 = 15.0, 9.0 + 15.0 = 24.0
4 5 7 9:
4 7 * 5 + 9 -
4.0 * 7.0 = 28.0, 28.0 + 5.0 = 33.0, 33.0 - 9.0 = 24.0
4 5 7 10:
4 5 7 - 10 * -
5.0 - 7.0 = -2.0, -2.0 * 10.0 = -20.0, 4.0 - -20.0 = 24.0
4 5 7 J:
4 5 7 11 - * -
7.0 - 11.0 = -4.0, 5.0 * -4.0 = -20.0, 4.0 - -20.0 = 24.0
4 5 7 Q:
4 5 + 7 - 12 *
4.0 + 5.0 = 9.0, 9.0 - 7.0 = 2.0, 2.0 * 12.0 = 24.0
4 5 7 K:
4 7 - 5 13 - *
4.0 - 7.0 = -3.0, 5.0 - 13.0 = -8.0, -3.0 * -8.0 = 24.0
4 5 8 8:
4 5 8 8 / + *
8.0 / 8.0 = 1.0, 5.0 + 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 8 9:
4 5 8 - 9 + *
5.0 - 8.0 = -3.0, -3.0 + 9.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 8 10:
4 8 + 5 / 10 *
4.0 + 8.0 = 12.0, 12.0 / 5.0 = 2.4, 2.4 * 10.0 = 24.0
4 5 8 J:
4 8 - 5 11 - *
4.0 - 8.0 = -4.0, 5.0 - 11.0 = -6.0, -4.0 * -6.0 = 24.0
4 5 8 Q:
4 5 8 12 - * -
8.0 - 12.0 = -4.0, 5.0 * -4.0 = -20.0, 4.0 - -20.0 = 24.0
4 5 8 K:
4 8 * 5 + 13 -
4.0 * 8.0 = 32.0, 32.0 + 5.0 = 37.0, 37.0 - 13.0 = 24.0
4 5 9 9:
4 5 9 9 / + *
9.0 / 9.0 = 1.0, 5.0 + 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 9 10:
4 5 9 - 10 + *
5.0 - 9.0 = -4.0, -4.0 + 10.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 9 J:
4 5 9 Q:
5 4 / 12 * 9 +
5.0 / 4.0 = 1.25, 1.25 * 12.0 = 15.0, 15.0 + 9.0 = 24.0
4 5 9 K:
4 5 9 13 - * -
9.0 - 13.0 = -4.0, 5.0 * -4.0 = -20.0, 4.0 - -20.0 = 24.0
4 5 10 10:
4 5 10 10 / + *
10.0 / 10.0 = 1.0, 5.0 + 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 10 J:
4 5 10 - 11 + *
5.0 - 10.0 = -5.0, -5.0 + 11.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 10 Q:
4 5 * 10 / 12 *
4.0 * 5.0 = 20.0, 20.0 / 10.0 = 2.0, 2.0 * 12.0 = 24.0
4 5 10 K:
5 4 10 13 + - -
10.0 + 13.0 = 23.0, 4.0 - 23.0 = -19.0, 5.0 - -19.0 = 24.0
4 5 J J:
4 5 11 11 / + *
11.0 / 11.0 = 1.0, 5.0 + 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 J Q:
4 5 11 - 12 + *
5.0 - 11.0 = -6.0, -6.0 + 12.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 J K:
5 4 - 11 13 + *
5.0 - 4.0 = 1.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
4 5 Q Q:
4 5 12 12 / + *
12.0 / 12.0 = 1.0, 5.0 + 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 5 Q K:
4 5 12 13 + - -
12.0 + 13.0 = 25.0, 5.0 - 25.0 = -20.0, 4.0 - -20.0 = 24.0
```

4 5 K K:
4 5 13 13 / + *
13.0 / 13.0 = 1.0, 5.0 + 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 6 6:
4 6 + 6 - 6 *
4.0 + 6.0 = 10.0, 10.0 - 6.0 = 4.0, 4.0 * 6.0 = 24.0
4 6 6 7:
4 6 7 6 - * *
7.0 - 6.0 = 1.0, 6.0 * 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 6 8:
4 6 + 6 8 + +
4.0 + 6.0 = 10.0, 6.0 + 8.0 = 14.0, 10.0 + 14.0 = 24.0
4 6 6 9:
4 9 * 6 6 + -
4.0 * 9.0 = 36.0, 6.0 + 6.0 = 12.0, 36.0 - 12.0 = 24.0
4 6 6 10:
6 4 6 10 + / /
6.0 + 10.0 = 16.0, 4.0 / 16.0 = 0.25, 6.0 / 0.25 = 24.0
4 6 6 J:
4 6 6 Q:
6 4 - 6 * 12 +
6.0 - 4.0 = 2.0, 2.0 * 6.0 = 12.0, 12.0 + 12.0 = 24.0
4 6 6 K:
4 6 7 7:
4 6 + 7 7 + +
4.0 + 6.0 = 10.0, 7.0 + 7.0 = 14.0, 10.0 + 14.0 = 24.0
4 6 7 8:
4 6 + 7 - 8 *
4.0 + 6.0 = 10.0, 10.0 - 7.0 = 3.0, 3.0 * 8.0 = 24.0
4 6 7 9:
6 4 7 9 + / /
7.0 + 9.0 = 16.0, 4.0 / 16.0 = 0.25, 6.0 / 0.25 = 24.0
4 6 7 10:
4 7 * 6 + 10 -
4.0 * 7.0 = 28.0, 28.0 + 6.0 = 34.0, 34.0 - 10.0 = 24.0
4 6 7 J:
4 6 7 Q:
6 7 4 - / 12 *
7.0 - 4.0 = 3.0, 6.0 / 3.0 = 2.0, 2.0 * 12.0 = 24.0
4 6 7 K:
4 6 8 8:
4 6 8 + 8 - *
6.0 + 8.0 = 14.0, 14.0 - 8.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 8 9:
4 6 9 8 - * *
9.0 - 8.0 = 1.0, 6.0 * 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 8 10:
4 6 8 - 10 * -
6.0 - 8.0 = -2.0, -2.0 * 10.0 = -20.0, 4.0 - -20.0 = 24.0
4 6 8 J:
4 6 8 Q:
4 6 + 8 - 12 *
4.0 + 6.0 = 10.0, 10.0 - 8.0 = 2.0, 2.0 * 12.0 = 24.0
4 6 8 K:
8 13 4 6 + - *
4.0 + 6.0 = 10.0, 13.0 - 10.0 = 3.0, 8.0 * 3.0 = 24.0
4 6 9 9:
4 6 9 + 9 - *
6.0 + 9.0 = 15.0, 15.0 - 9.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 9 10:
4 6 10 9 - * *
10.0 - 9.0 = 1.0, 6.0 * 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 9 J:
4 6 9 Q:
4 9 6 - * 12 +
9.0 - 6.0 = 3.0, 4.0 * 3.0 = 12.0, 12.0 + 12.0 = 24.0
4 6 9 K:
6 4 9 13 + - -
9.0 + 13.0 = 22.0, 4.0 - 22.0 = -18.0, 6.0 - -18.0 = 24.0
4 6 10 10:
4 6 10 + 10 - *
6.0 + 10.0 = 16.0, 16.0 - 10.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 10 J:
4 6 11 10 - * *
11.0 - 10.0 = 1.0, 6.0 * 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 10 Q:
4 10 6 / 12 * +
10.0 / 6.0 = 1.6666666666666667, 1.6666666666666667 * 12.0 = 20.0, 4.0 + 20.0 = 24.0
4 6 10 K:
4 6 J J:
4 6 11 + 11 - *
6.0 + 11.0 = 17.0, 17.0 - 11.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 J Q:
4 6 12 11 - * *
12.0 - 11.0 = 1.0, 6.0 * 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 J K:
4 6 Q Q:
4 6 12 + 12 - *

```
6.0 + 12.0 = 18.0, 18.0 - 12.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 Q K:
4 6 13 12 - * *
13.0 - 12.0 = 1.0, 6.0 * 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 6 K K:
4 6 13 13 + - -
13.0 + 13.0 = 26.0, 6.0 - 26.0 = -20.0, 4.0 - -20.0 = 24.0
4 7 7 7:
4 7 7 7 / - *
7.0 / 7.0 = 1.0, 7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 7 8:
4 7 7 + 8 - *
7.0 + 7.0 = 14.0, 14.0 - 8.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 7 9:
4 7 7 10:
4 7 7 J:
4 7 * 7 + 11 -
4.0 * 7.0 = 28.0, 28.0 + 7.0 = 35.0, 35.0 - 11.0 = 24.0
4 7 7 Q:
4 7 7 K:
4 7 8 8:
4 7 + 8 - 8 *
4.0 + 7.0 = 11.0, 11.0 - 8.0 = 3.0, 3.0 * 8.0 = 24.0
4 7 8 9:
4 7 8 + 9 - *
7.0 + 8.0 = 15.0, 15.0 - 9.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 8 10:
7 4 / 8 * 10 +
7.0 / 4.0 = 1.75, 1.75 * 8.0 = 14.0, 14.0 + 10.0 = 24.0
4 7 8 J:
4 11 7 - * 8 +
11.0 - 7.0 = 4.0, 4.0 * 4.0 = 16.0, 16.0 + 8.0 = 24.0
4 7 8 Q:
4 7 * 8 + 12 -
4.0 * 7.0 = 28.0, 28.0 + 8.0 = 36.0, 36.0 - 12.0 = 24.0
4 7 8 K:
4 8 - 7 13 - *
4.0 - 8.0 = -4.0, 7.0 - 13.0 = -6.0, -4.0 * -6.0 = 24.0
4 7 9 9:
4 7 9 9 / - *
9.0 / 9.0 = 1.0, 7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 9 10:
4 7 9 + 10 - *
7.0 + 9.0 = 16.0, 16.0 - 10.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 9 J:
7 4 - 11 * 9 -
7.0 - 4.0 = 3.0, 3.0 * 11.0 = 33.0, 33.0 - 9.0 = 24.0
4 7 9 Q:
4 7 + 9 - 12 *
4.0 + 7.0 = 11.0, 11.0 - 9.0 = 2.0, 2.0 * 12.0 = 24.0
4 7 9 K:
4 7 * 9 + 13 -
4.0 * 7.0 = 28.0, 28.0 + 9.0 = 37.0, 37.0 - 13.0 = 24.0
4 7 10 10:
4 7 10 10 / - *
10.0 / 10.0 = 1.0, 7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 10 J:
4 7 10 + 11 - *
7.0 + 10.0 = 17.0, 17.0 - 11.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 10 Q:
4 10 + 7 / 12 *
4.0 + 10.0 = 14.0, 14.0 / 7.0 = 2.0, 2.0 * 12.0 = 24.0
4 7 10 K:
4 7 J J:
4 7 11 11 / - *
11.0 / 11.0 = 1.0, 7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 J Q:
4 7 11 + 12 - *
7.0 + 11.0 = 18.0, 18.0 - 12.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 J K:
4 11 * 7 13 + -
4.0 * 11.0 = 44.0, 7.0 + 13.0 = 20.0, 44.0 - 20.0 = 24.0
4 7 Q Q:
4 7 12 12 / - *
12.0 / 12.0 = 1.0, 7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 Q K:
4 7 12 + 13 - *
7.0 + 12.0 = 19.0, 19.0 - 13.0 = 6.0, 4.0 * 6.0 = 24.0
4 7 K K:
4 7 13 13 / - *
13.0 / 13.0 = 1.0, 7.0 - 1.0 = 6.0, 4.0 * 6.0 = 24.0
4 8 8 8:
4 8 8 / - 8 *
8.0 / 8.0 = 1.0, 4.0 - 1.0 = 3.0, 3.0 * 8.0 = 24.0
4 8 8 9:
4 8 + 9 - 8 *
4.0 + 8.0 = 12.0, 12.0 - 9.0 = 3.0, 3.0 * 8.0 = 24.0
4 8 8 10:
```

```
4 8 8 + 10 - *
8.0 + 8.0 = 16.0, 16.0 - 10.0 = 6.0, 4.0 * 6.0 = 24.0
4 8 8 J:
8 8 11 * + 4 /
8.0 * 11.0 = 88.0, 8.0 + 88.0 = 96.0, 96.0 / 4.0 = 24.0
4 8 8 Q:
4 12 8 - * 8 +
12.0 - 8.0 = 4.0, 4.0 * 4.0 = 16.0, 16.0 + 8.0 = 24.0
4 8 8 K:
8 13 * 8 - 4 /
8.0 * 13.0 = 104.0, 104.0 - 8.0 = 96.0, 96.0 / 4.0 = 24.0
4 8 9 9:
4 9 9 / - 8 *
9.0 / 9.0 = 1.0, 4.0 - 1.0 = 3.0, 3.0 * 8.0 = 24.0
4 8 9 10:
4 9 + 10 - 8 *
4.0 + 9.0 = 13.0, 13.0 - 10.0 = 3.0, 3.0 * 8.0 = 24.0
4 8 9 J:
4 8 9 + 11 - *
8.0 + 9.0 = 17.0, 17.0 - 11.0 = 6.0, 4.0 * 6.0 = 24.0
4 8 9 Q:
4 8 * 9 * 12 /
4.0 * 8.0 = 32.0, 32.0 * 9.0 = 288.0, 288.0 / 12.0 = 24.0
4 8 9 K:
4 13 9 - * 8 +
13.0 - 9.0 = 4.0, 4.0 * 4.0 = 16.0, 16.0 + 8.0 = 24.0
4 8 10 10:
4 8 10 - 10 * -
8.0 - 10.0 = -2.0, -2.0 * 10.0 = -20.0, 4.0 - -20.0 = 24.0
4 8 10 J:
4 10 + 11 - 8 *
4.0 + 10.0 = 14.0, 14.0 - 11.0 = 3.0, 3.0 * 8.0 = 24.0
4 8 10 Q:
4 8 + 10 - 12 *
4.0 + 8.0 = 12.0, 12.0 - 10.0 = 2.0, 2.0 * 12.0 = 24.0
4 8 10 K:
4 8 J J:
4 11 11 / - 8 *
11.0 / 11.0 = 1.0, 4.0 - 1.0 = 3.0, 3.0 * 8.0 = 24.0
4 8 J Q:
4 11 8 - * 12 +
11.0 - 8.0 = 3.0, 4.0 * 3.0 = 12.0, 12.0 + 12.0 = 24.0
4 8 J K:
4 8 11 + 13 - *
8.0 + 11.0 = 19.0, 19.0 - 13.0 = 6.0, 4.0 * 6.0 = 24.0
4 8 Q Q:
4 12 + 8 / 12 *
4.0 + 12.0 = 16.0, 16.0 / 8.0 = 2.0, 2.0 * 12.0 = 24.0
4 8 Q K:
4 12 + 13 - 8 *
4.0 + 12.0 = 16.0, 16.0 - 13.0 = 3.0, 3.0 * 8.0 = 24.0
4 8 K K:
4 13 13 / - 8 *
13.0 / 13.0 = 1.0, 4.0 - 1.0 = 3.0, 3.0 * 8.0 = 24.0
4 9 9 9:
4 9 9 10:
9 4 9 10 + - -
9.0 + 10.0 = 19.0, 4.0 - 19.0 = -15.0, 9.0 - -15.0 = 24.0
4 9 9 J:
4 9 9 Q:
4 9 9 + 12 - *
9.0 + 9.0 = 18.0, 18.0 - 12.0 = 6.0, 4.0 * 6.0 = 24.0
4 9 9 K:
4 9 10 10:
4 9 10 J:
4 9 11 - 10 * -
9.0 - 11.0 = -2.0, -2.0 * 10.0 = -20.0, 4.0 - -20.0 = 24.0
4 9 10 Q:
10 9 4 - / 12 *
9.0 - 4.0 = 5.0, 10.0 / 5.0 = 2.0, 2.0 * 12.0 = 24.0
4 9 10 K:
4 9 10 + 13 - *
9.0 + 10.0 = 19.0, 19.0 - 13.0 = 6.0, 4.0 * 6.0 = 24.0
4 9 J J:
4 11 * 9 11 + -
4.0 * 11.0 = 44.0, 9.0 + 11.0 = 20.0, 44.0 - 20.0 = 24.0
4 9 J Q:
4 9 + 11 - 12 *
4.0 + 9.0 = 13.0, 13.0 - 11.0 = 2.0, 2.0 * 12.0 = 24.0
4 9 J K:
4 9 Q Q:
4 12 - 9 12 - *
4.0 - 12.0 = -8.0, 9.0 - 12.0 = -3.0, -8.0 * -3.0 = 24.0
4 9 Q K:
4 9 K K:
4 10 10 10:
4 10 10 J:
4 11 * 10 10 + -
```

```
4.0 * 11.0 = 44.0, 10.0 + 10.0 = 20.0, 44.0 - 20.0 = 24.0
4 10 10 Q:
4 10 10 12 - * -
10.0 - 12.0 = -2.0, 10.0 * -2.0 = -20.0, 4.0 - -20.0 = 24.0
4 10 10 K:
4 10 J J:
4 10 J Q:
10 11 + 12 4 / +
10.0 + 11.0 = 21.0, 12.0 / 4.0 = 3.0, 21.0 + 3.0 = 24.0
4 10 J K:
4 10 11 13 - * -
11.0 - 13.0 = -2.0, 10.0 * -2.0 = -20.0, 4.0 - -20.0 = 24.0
4 10 Q Q:
4 10 + 12 - 12 *
4.0 + 10.0 = 14.0, 14.0 - 12.0 = 2.0, 2.0 * 12.0 = 24.0
4 10 Q K:
4 12 - 10 13 - *
4.0 - 12.0 = -8.0, 10.0 - 13.0 = -3.0, -8.0 * -3.0 = 24.0
4 10 K K:
4 J J J:
4 J J Q:
4 J J K:
4 J Q Q:
4 J Q K:
4 11 + 13 - 12 *
4.0 + 11.0 = 15.0, 15.0 - 13.0 = 2.0, 2.0 * 12.0 = 24.0
4 J K K:
4 Q Q Q:
4 12 * 12 12 + -
4.0 * 12.0 = 48.0, 12.0 + 12.0 = 24.0, 48.0 - 24.0 = 24.0
4 Q Q K:
4 Q K K:
4 K K K:
5 5 5 5:
5 5 * 5 5 / -
5.0 * 5.0 = 25.0, 5.0 / 5.0 = 1.0, 25.0 - 1.0 = 24.0
5 5 5 6:
5 5 * 5 + 6 -
5.0 * 5.0 = 25.0, 25.0 + 5.0 = 30.0, 30.0 - 6.0 = 24.0
5 5 5 7:
5 5 5 8:
5 5 5 9:
5 5 + 5 9 + +
5.0 + 5.0 = 10.0, 5.0 + 9.0 = 14.0, 10.0 + 14.0 = 24.0
5 5 5 10:
5 5 5 J:
5 5 5 Q:
5 5 + 5 / 12 *
5.0 + 5.0 = 10.0, 10.0 / 5.0 = 2.0, 2.0 * 12.0 = 24.0
5 5 5 K:
5 5 6 6:
5 5 + 6 - 6 *
5.0 + 5.0 = 10.0, 10.0 - 6.0 = 4.0, 4.0 * 6.0 = 24.0
5 5 6 7:
5 5 * 6 + 7 -
5.0 * 5.0 = 25.0, 25.0 + 6.0 = 31.0, 31.0 - 7.0 = 24.0
5 5 6 8:
5 5 + 6 8 + +
5.0 + 5.0 = 10.0, 6.0 + 8.0 = 14.0, 10.0 + 14.0 = 24.0
5 5 6 9:
5 5 6 10:
5 5 6 J:
5 5 6 * + 11 -
5.0 * 6.0 = 30.0, 5.0 + 30.0 = 35.0, 35.0 - 11.0 = 24.0
5 5 6 Q:
5 5 6 K:
5 5 7 7:
5 5 + 7 7 + +
5.0 + 5.0 = 10.0, 7.0 + 7.0 = 14.0, 10.0 + 14.0 = 24.0
5 5 7 8:
5 5 + 7 - 8 *
5.0 + 5.0 = 10.0, 10.0 - 7.0 = 3.0, 3.0 * 8.0 = 24.0
5 5 7 9:
5 5 7 10:
5 7 + 5 / 10 *
5.0 + 7.0 = 12.0, 12.0 / 5.0 = 2.4, 2.4 * 10.0 = 24.0
5 5 7 J:
5 7 11 5 / - *
11.0 / 5.0 = 2.2, 7.0 - 2.2 = 4.8, 5.0 * 4.8 = 24.0
5 5 7 Q:
5 5 7 K:
5 5 8 8:
5 5 * 8 8 / -
5.0 * 5.0 = 25.0, 8.0 / 8.0 = 1.0, 25.0 - 1.0 = 24.0
5 5 8 9:
5 5 * 8 + 9 -
5.0 * 5.0 = 25.0, 25.0 + 8.0 = 33.0, 33.0 - 9.0 = 24.0
5 5 8 10:
```

```
5 10 + 8 * 5 /
5.0 + 10.0 = 15.0, 15.0 * 8.0 = 120.0, 120.0 / 5.0 = 24.0
5 5 8 J:
5 8 * 5 11 + -
5.0 * 8.0 = 40.0, 5.0 + 11.0 = 16.0, 40.0 - 16.0 = 24.0
5 5 8 Q:
5 5 + 8 - 12 *
5.0 + 5.0 = 10.0, 10.0 - 8.0 = 2.0, 2.0 * 12.0 = 24.0
5 5 8 K:
5 8 - 5 13 - *
5.0 - 8.0 = -3.0, 5.0 - 13.0 = -8.0, -3.0 * -8.0 = 24.0
5 5 9 9:
5 5 * 9 9 / -
5.0 * 5.0 = 25.0, 9.0 / 9.0 = 1.0, 25.0 - 1.0 = 24.0
5 5 9 10:
5 5 * 9 + 10 -
5.0 * 5.0 = 25.0, 25.0 + 9.0 = 34.0, 34.0 - 10.0 = 24.0
5 5 9 J:
5 9 - 5 11 - *
5.0 - 9.0 = -4.0, 5.0 - 11.0 = -6.0, -4.0 * -6.0 = 24.0
5 5 9 Q:
5 5 9 K:
5 5 10 10:
5 5 * 10 10 / -
5.0 * 5.0 = 25.0, 10.0 / 10.0 = 1.0, 25.0 - 1.0 = 24.0
5 5 10 J:
5 5 * 10 + 11 -
5.0 * 5.0 = 25.0, 25.0 + 10.0 = 35.0, 35.0 - 11.0 = 24.0
5 5 10 Q:
5 5 10 K:
5 5 / 10 13 + +
5.0 / 5.0 = 1.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
5 5 J J:
5 5 * 11 11 / -
5.0 * 5.0 = 25.0, 11.0 / 11.0 = 1.0, 25.0 - 1.0 = 24.0
5 5 J Q:
5 5 * 11 + 12 -
5.0 * 5.0 = 25.0, 25.0 + 11.0 = 36.0, 36.0 - 12.0 = 24.0
5 5 J K:
5 5 11 13 + - -
11.0 + 13.0 = 24.0, 5.0 - 24.0 = -19.0, 5.0 - -19.0 = 24.0
5 5 Q Q:
5 5 12 12 + - -
12.0 + 12.0 = 24.0, 5.0 - 24.0 = -19.0, 5.0 - -19.0 = 24.0
5 5 Q K:
5 5 * 12 + 13 -
5.0 * 5.0 = 25.0, 25.0 + 12.0 = 37.0, 37.0 - 13.0 = 24.0
5 5 K K:
5 5 * 13 13 / -
5.0 * 5.0 = 25.0, 13.0 / 13.0 = 1.0, 25.0 - 1.0 = 24.0
5 6 6 6:
5 6 6 / - 6 *
6.0 / 6.0 = 1.0, 5.0 - 1.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 6 7:
5 6 + 6 7 + +
5.0 + 6.0 = 11.0, 6.0 + 7.0 = 13.0, 11.0 + 13.0 = 24.0
5 6 6 8:
6 5 8 - 6 * -
5.0 - 8.0 = -3.0, -3.0 * 6.0 = -18.0, 6.0 - -18.0 = 24.0
5 6 6 9:
6 9 * 6 5 * -
6.0 * 9.0 = 54.0, 6.0 * 5.0 = 30.0, 54.0 - 30.0 = 24.0
5 6 6 10:
6 6 + 5 / 10 *
6.0 + 6.0 = 12.0, 12.0 / 5.0 = 2.4, 2.4 * 10.0 = 24.0
5 6 6 J:
5 6 6 Q:
5 6 * 6 + 12 -
5.0 * 6.0 = 30.0, 30.0 + 6.0 = 36.0, 36.0 - 12.0 = 24.0
5 6 6 K:
5 6 7 7:
5 7 7 / - 6 *
7.0 / 7.0 = 1.0, 5.0 - 1.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 7 8:
5 7 + 8 6 - *
5.0 + 7.0 = 12.0, 8.0 - 6.0 = 2.0, 12.0 * 2.0 = 24.0
5 6 7 9:
6 5 7 - 9 * -
5.0 - 7.0 = -2.0, -2.0 * 9.0 = -18.0, 6.0 - -18.0 = 24.0
5 6 7 10:
5 6 7 J:
5 6 7 Q:
5 7 + 6 / 12 *
5.0 + 7.0 = 12.0, 12.0 / 6.0 = 2.0, 2.0 * 12.0 = 24.0
5 6 7 K:
5 6 * 7 + 13 -
5.0 * 6.0 = 30.0, 30.0 + 7.0 = 37.0, 37.0 - 13.0 = 24.0
5 6 8 8:
```

```
5 6 + 8 - 8 *
5.0 + 6.0 = 11.0, 11.0 - 8.0 = 3.0, 3.0 * 8.0 = 24.0
5 6 8 9:
5 8 + 9 - 6 *
5.0 + 8.0 = 13.0, 13.0 - 9.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 8 10:
5 6 * 8 * 10 /
5.0 * 6.0 = 30.0, 30.0 * 8.0 = 240.0, 240.0 / 10.0 = 24.0
5 6 8 J:
5 6 8 Q:
5 12 6 / - 8 *
12.0 / 6.0 = 2.0, 5.0 - 2.0 = 3.0, 3.0 * 8.0 = 24.0
5 6 8 K:
5 13 + 8 * 6 /
5.0 + 13.0 = 18.0, 18.0 * 8.0 = 144.0, 144.0 / 6.0 = 24.0
5 6 9 9:
5 9 6 - * 9 +
9.0 - 6.0 = 3.0, 5.0 * 3.0 = 15.0, 15.0 + 9.0 = 24.0
5 6 9 10:
5 9 + 10 - 6 *
5.0 + 9.0 = 14.0, 14.0 - 10.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 9 J:
5 11 + 9 * 6 /
5.0 + 11.0 = 16.0, 16.0 * 9.0 = 144.0, 144.0 / 6.0 = 24.0
5 6 9 Q:
5 6 + 9 - 12 *
5.0 + 6.0 = 11.0, 11.0 - 9.0 = 2.0, 2.0 * 12.0 = 24.0
5 6 9 K:
5 13 - 6 9 - *
5.0 - 13.0 = -8.0, 6.0 - 9.0 = -3.0, -8.0 * -3.0 = 24.0
5 6 10 10:
5 10 10 / - 6 *
10.0 / 10.0 = 1.0, 5.0 - 1.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 10 J:
5 10 + 11 - 6 *
5.0 + 10.0 = 15.0, 15.0 - 11.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 10 Q:
5 6 12 10 / - *
12.0 / 10.0 = 1.2, 6.0 - 1.2 = 4.8, 5.0 * 4.8 = 24.0
5 6 10 K:
6 5 10 13 + - -
10.0 + 13.0 = 23.0, 5.0 - 23.0 = -18.0, 6.0 - -18.0 = 24.0
5 6 J J:
5 11 11 / - 6 *
11.0 / 11.0 = 1.0, 5.0 - 1.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 J Q:
5 11 + 12 - 6 *
5.0 + 11.0 = 16.0, 16.0 - 12.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 J K:
5 13 6 - * 11 -
13.0 - 6.0 = 7.0, 5.0 * 7.0 = 35.0, 35.0 - 11.0 = 24.0
5 6 Q Q:
5 12 12 / - 6 *
12.0 / 12.0 = 1.0, 5.0 - 1.0 = 4.0, 4.0 * 6.0 = 24.0
5 6 Q K:
5 6 12 13 + - -
12.0 + 13.0 = 25.0, 6.0 - 25.0 = -19.0, 5.0 - -19.0 = 24.0
5 6 K K:
5 13 13 / - 6 *
13.0 / 13.0 = 1.0, 5.0 - 1.0 = 4.0, 4.0 * 6.0 = 24.0
5 7 7 7:
5 7 7 8:
5 7 7 9:
5 7 + 9 7 - *
5.0 + 7.0 = 12.0, 9.0 - 7.0 = 2.0, 12.0 * 2.0 = 24.0
5 7 7 10:
7 5 - 7 * 10 +
7.0 - 5.0 = 2.0, 2.0 * 7.0 = 14.0, 14.0 + 10.0 = 24.0
5 7 7 J:
5 11 7 / - 7 *
11.0 / 7.0 = 1.5714285714285714, 5.0 - 1.5714285714285714 = 3.428571428571429, 3.428571428571429 * 7.0 = 24.0
5 7 7 Q:
5 7 7 K:
5 7 8 8:
7 5 - 8 * 8 +
7.0 - 5.0 = 2.0, 2.0 * 8.0 = 16.0, 16.0 + 8.0 = 24.0
5 7 8 9:
5 7 + 9 - 8 *
5.0 + 7.0 = 12.0, 12.0 - 9.0 = 3.0, 3.0 * 8.0 = 24.0
5 7 8 10:
5 7 + 10 8 - *
5.0 + 7.0 = 12.0, 10.0 - 8.0 = 2.0, 12.0 * 2.0 = 24.0
5 7 8 J:
5 7 8 Q:
5 7 8 K:
5 7 9 9:
5 7 9 10:
5 10 7 - * 9 +
```

10.0 - 7.0 = 3.0, 5.0 * 3.0 = 15.0, 15.0 + 9.0 = 24.0
5 7 9 J:
5 7 + 11 9 - *
5.0 + 7.0 = 12.0, 11.0 - 9.0 = 2.0, 12.0 * 2.0 = 24.0
5 7 9 Q:
5 9 + 7 / 12 *
5.0 + 9.0 = 14.0, 14.0 / 7.0 = 2.0, 2.0 * 12.0 = 24.0
5 7 9 K:
5 9 - 7 13 - *
5.0 - 9.0 = -4.0, 7.0 - 13.0 = -6.0, -4.0 * -6.0 = 24.0
5 7 10 10:
7 5 / 10 * 10 +
7.0 / 5.0 = 1.4, 1.4 * 10.0 = 14.0, 14.0 + 10.0 = 24.0
5 7 10 J:
7 10 5 - * 11 -
10.0 - 5.0 = 5.0, 7.0 * 5.0 = 35.0, 35.0 - 11.0 = 24.0
5 7 10 Q:
5 7 + 10 - 12 *
5.0 + 7.0 = 12.0, 12.0 - 10.0 = 2.0, 2.0 * 12.0 = 24.0
5 7 10 K:
5 13 - 7 10 - *
5.0 - 13.0 = -8.0, 7.0 - 10.0 = -3.0, -8.0 * -3.0 = 24.0
5 7 J J:
5 11 - 7 11 - *
5.0 - 11.0 = -6.0, 7.0 - 11.0 = -4.0, -6.0 * -4.0 = 24.0
5 7 J Q:
5 7 J K:
5 7 + 13 11 - *
5.0 + 7.0 = 12.0, 13.0 - 11.0 = 2.0, 12.0 * 2.0 = 24.0
5 7 Q Q:
7 12 * 5 12 * -
7.0 * 12.0 = 84.0, 5.0 * 12.0 = 60.0, 84.0 - 60.0 = 24.0
5 7 Q K:
5 7 K K:
5 7 13 13 + - -
13.0 + 13.0 = 26.0, 7.0 - 26.0 = -19.0, 5.0 - -19.0 = 24.0
5 8 8 8:
5 8 * 8 8 + -
5.0 * 8.0 = 40.0, 8.0 + 8.0 = 16.0, 40.0 - 16.0 = 24.0
5 8 8 9:
8 8 5 - / 9 *
8.0 - 5.0 = 3.0, 8.0 / 3.0 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
5 8 8 10:
5 8 + 10 - 8 *
5.0 + 8.0 = 13.0, 13.0 - 10.0 = 3.0, 3.0 * 8.0 = 24.0
5 8 8 J:
5 8 8 Q:
5 8 8 K:
8 5 8 13 + - -
8.0 + 13.0 = 21.0, 5.0 - 21.0 = -16.0, 8.0 - -16.0 = 24.0
5 8 9 9:
5 8 9 10:
5 8 9 J:
5 9 + 11 - 8 *
5.0 + 9.0 = 14.0, 14.0 - 11.0 = 3.0, 3.0 * 8.0 = 24.0
5 8 9 Q:
8 5 9 12 + - -
9.0 + 12.0 = 21.0, 5.0 - 21.0 = -16.0, 8.0 - -16.0 = 24.0
5 8 9 K:
5 9 * 8 13 + -
5.0 * 9.0 = 45.0, 8.0 + 13.0 = 21.0, 45.0 - 21.0 = 24.0
5 8 10 10:
5 8 10 J:
8 5 10 11 + - -
10.0 + 11.0 = 21.0, 5.0 - 21.0 = -16.0, 8.0 - -16.0 = 24.0
5 8 10 Q:
5 10 + 12 - 8 *
5.0 + 10.0 = 15.0, 15.0 - 12.0 = 3.0, 3.0 * 8.0 = 24.0
5 8 10 K:
5 8 J J:
5 8 J Q:
5 8 + 11 - 12 *
5.0 + 8.0 = 13.0, 13.0 - 11.0 = 2.0, 2.0 * 12.0 = 24.0
5 8 J K:
5 11 + 13 - 8 *
5.0 + 11.0 = 16.0, 16.0 - 13.0 = 3.0, 3.0 * 8.0 = 24.0
5 8 Q Q:
8 5 - 12 * 12 -
8.0 - 5.0 = 3.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
5 8 Q K:
5 8 K K:
5 9 9 9:
5 9 9 10:
5 9 9 J:
9 5 9 11 + - -
9.0 + 11.0 = 20.0, 5.0 - 20.0 = -15.0, 9.0 - -15.0 = 24.0
5 9 9 Q:
5 9 * 9 12 + -

5.0 * 9.0 = 45.0, 9.0 + 12.0 = 21.0, 45.0 - 21.0 = 24.0
5 9 9 K:
5 9 10 10:
9 5 10 10 + - -
10.0 + 10.0 = 20.0, 5.0 - 20.0 = -15.0, 9.0 - -15.0 = 24.0
5 9 10 J:
5 9 * 10 11 + -
5.0 * 9.0 = 45.0, 10.0 + 11.0 = 21.0, 45.0 - 21.0 = 24.0
5 9 10 Q:
5 9 10 K:
5 13 10 - * 9 +
13.0 - 10.0 = 3.0, 5.0 * 3.0 = 15.0, 15.0 + 9.0 = 24.0
5 9 J J:
5 9 J Q:
5 9 J K:
5 11 - 9 13 - *
5.0 - 11.0 = -6.0, 9.0 - 13.0 = -4.0, -6.0 * -4.0 = 24.0
5 9 Q Q:
5 9 + 12 - 12 *
5.0 + 9.0 = 14.0, 14.0 - 12.0 = 2.0, 2.0 * 12.0 = 24.0
5 9 Q K:
5 13 + 12 * 9 /
5.0 + 13.0 = 18.0, 18.0 * 12.0 = 216.0, 216.0 / 9.0 = 24.0
5 9 K K:
5 10 10 10:
5 10 10 J:
10 10 11 * + 5 /
10.0 * 11.0 = 110.0, 10.0 + 110.0 = 120.0, 120.0 / 5.0 = 24.0
5 10 10 Q:
10 5 / 10 12 + +
10.0 / 5.0 = 2.0, 10.0 + 12.0 = 22.0, 2.0 + 22.0 = 24.0
5 10 10 K:
10 13 * 10 - 5 /
10.0 * 13.0 = 130.0, 130.0 - 10.0 = 120.0, 120.0 / 5.0 = 24.0
5 10 J J:
10 5 / 11 11 + +
10.0 / 5.0 = 2.0, 11.0 + 11.0 = 22.0, 2.0 + 22.0 = 24.0
5 10 J Q:
5 10 J K:
5 10 Q Q:
5 10 Q K:
5 10 + 13 - 12 *
5.0 + 10.0 = 15.0, 15.0 - 13.0 = 2.0, 2.0 * 12.0 = 24.0
5 10 K K:
5 10 * 13 13 + -
5.0 * 10.0 = 50.0, 13.0 + 13.0 = 26.0, 50.0 - 26.0 = 24.0
5 J J J:
5 J J Q:
5 J J K:
5 J Q Q:
11 12 * 12 - 5 /
11.0 * 12.0 = 132.0, 132.0 - 12.0 = 120.0, 120.0 / 5.0 = 24.0
5 J Q K:
5 J K K:
5 Q Q Q:
5 Q Q K:
5 Q K K:
5 K K K:
6 6 6 6:
6 6 + 6 6 + +
6.0 + 6.0 = 12.0, 6.0 + 6.0 = 12.0, 12.0 + 12.0 = 24.0
6 6 6 7:
6 6 6 8:
6 6 6 + 8 - *
6.0 + 6.0 = 12.0, 12.0 - 8.0 = 4.0, 6.0 * 4.0 = 24.0
6 6 6 9:
6 6 6 9 - * -
6.0 - 9.0 = -3.0, 6.0 * -3.0 = -18.0, 6.0 - -18.0 = 24.0
6 6 6 10:
6 10 * 6 6 * -
6.0 * 10.0 = 60.0, 6.0 * 6.0 = 36.0, 60.0 - 36.0 = 24.0
6 6 6 J:
6 11 6 - * 6 -
11.0 - 6.0 = 5.0, 6.0 * 5.0 = 30.0, 30.0 - 6.0 = 24.0
6 6 6 Q:
6 6 + 6 / 12 *
6.0 + 6.0 = 12.0, 12.0 / 6.0 = 2.0, 2.0 * 12.0 = 24.0
6 6 6 K:
6 6 7 7:
6 6 7 8:
6 6 7 9:
6 6 7 + 9 - *
6.0 + 7.0 = 13.0, 13.0 - 9.0 = 4.0, 6.0 * 4.0 = 24.0
6 6 7 10:
6 6 7 10 - * -
7.0 - 10.0 = -3.0, 6.0 * -3.0 = -18.0, 6.0 - -18.0 = 24.0
6 6 7 J:
6 11 * 7 6 * -

6.0 * 11.0 = 66.0, 7.0 * 6.0 = 42.0, 66.0 - 42.0 = 24.0
6 6 7 Q:
6 7 * 6 12 + -
6.0 * 7.0 = 42.0, 6.0 + 12.0 = 18.0, 42.0 - 18.0 = 24.0
6 6 7 K:
6 6 8 8:
6 8 6 - / 8 *
8.0 - 6.0 = 2.0, 6.0 / 2.0 = 3.0, 3.0 * 8.0 = 24.0
6 6 8 9:
6 6 8 - 9 * -
6.0 - 8.0 = -2.0, -2.0 * 9.0 = -18.0, 6.0 - -18.0 = 24.0
6 6 8 10:
6 6 8 + 10 - *
6.0 + 8.0 = 14.0, 14.0 - 10.0 = 4.0, 6.0 * 4.0 = 24.0
6 6 8 J:
6 6 8 11 - * -
8.0 - 11.0 = -3.0, 6.0 * -3.0 = -18.0, 6.0 - -18.0 = 24.0
6 6 8 Q:
6 6 * 8 * 12 /
6.0 * 6.0 = 36.0, 36.0 * 8.0 = 288.0, 288.0 / 12.0 = 24.0
6 6 8 K:
6 13 8 - * 6 -
13.0 - 8.0 = 5.0, 6.0 * 5.0 = 30.0, 30.0 - 6.0 = 24.0
6 6 9 9:
6 6 9 10:
6 10 + 9 * 6 /
6.0 + 10.0 = 16.0, 16.0 * 9.0 = 144.0, 144.0 / 6.0 = 24.0
6 6 9 J:
6 6 9 + 11 - *
6.0 + 9.0 = 15.0, 15.0 - 11.0 = 4.0, 6.0 * 4.0 = 24.0
6 6 9 Q:
6 6 9 12 - * -
9.0 - 12.0 = -3.0, 6.0 * -3.0 = -18.0, 6.0 - -18.0 = 24.0
6 6 9 K:
6 13 * 9 6 * -
6.0 * 13.0 = 78.0, 9.0 * 6.0 = 54.0, 78.0 - 54.0 = 24.0
6 6 10 10:
6 6 10 J:
6 6 10 Q:
6 6 + 10 - 12 *
6.0 + 6.0 = 12.0, 12.0 - 10.0 = 2.0, 2.0 * 12.0 = 24.0
6 6 10 K:
6 6 10 13 - * -
10.0 - 13.0 = -3.0, 6.0 * -3.0 = -18.0, 6.0 - -18.0 = 24.0
6 6 J J:
6 6 J Q:
6 6 / 11 12 + +
6.0 / 6.0 = 1.0, 11.0 + 12.0 = 23.0, 1.0 + 23.0 = 24.0
6 6 J K:
6 6 11 13 + - -
11.0 + 13.0 = 24.0, 6.0 - 24.0 = -18.0, 6.0 - -18.0 = 24.0
6 6 Q Q:
6 6 12 12 + - -
12.0 + 12.0 = 24.0, 6.0 - 24.0 = -18.0, 6.0 - -18.0 = 24.0
6 6 Q K:
12 6 6 / - 13 +
6.0 / 6.0 = 1.0, 12.0 - 1.0 = 11.0, 11.0 + 13.0 = 24.0
6 6 K K:
6 7 7 7:
6 7 7 8:
6 7 7 9:
6 7 7 10:
6 7 7 + 10 - *
7.0 + 7.0 = 14.0, 14.0 - 10.0 = 4.0, 6.0 * 4.0 = 24.0
6 7 7 J:
6 7 * 7 11 + -
6.0 * 7.0 = 42.0, 7.0 + 11.0 = 18.0, 42.0 - 18.0 = 24.0
6 7 7 Q:
6 7 7 K:
6 7 8 8:
6 7 8 9:
6 8 9 7 - / *
9.0 - 7.0 = 2.0, 8.0 / 2.0 = 4.0, 6.0 * 4.0 = 24.0
6 7 8 10:
6 7 * 8 10 + -
6.0 * 7.0 = 42.0, 8.0 + 10.0 = 18.0, 42.0 - 18.0 = 24.0
6 7 8 J:
6 7 8 + 11 - *
7.0 + 8.0 = 15.0, 15.0 - 11.0 = 4.0, 6.0 * 4.0 = 24.0
6 7 8 Q:
6 8 + 7 / 12 *
6.0 + 8.0 = 14.0, 14.0 / 7.0 = 2.0, 2.0 * 12.0 = 24.0
6 7 8 K:
6 7 9 9:
6 7 9 - 9 * -
7.0 - 9.0 = -2.0, -2.0 * 9.0 = -18.0, 6.0 - -18.0 = 24.0
6 7 9 10:
6 7 9 J:

6 7 9 Q:
6 7 9 + 12 - *
7.0 + 9.0 = 16.0, 16.0 - 12.0 = 4.0, 6.0 * 4.0 = 24.0
6 7 9 K:
6 7 10 10:
10 7 - 10 * 6 -
10.0 - 7.0 = 3.0, 3.0 * 10.0 = 30.0, 30.0 - 6.0 = 24.0
6 7 10 J:
6 7 10 Q:
6 10 7 - / 12 *
10.0 - 7.0 = 3.0, 6.0 / 3.0 = 2.0, 2.0 * 12.0 = 24.0
6 7 10 K:
6 7 10 + 13 - *
7.0 + 10.0 = 17.0, 17.0 - 13.0 = 4.0, 6.0 * 4.0 = 24.0
6 7 J J:
7 11 6 - * 11 -
11.0 - 6.0 = 5.0, 7.0 * 5.0 = 35.0, 35.0 - 11.0 = 24.0
6 7 J Q:
6 7 + 11 - 12 *
6.0 + 7.0 = 13.0, 13.0 - 11.0 = 2.0, 2.0 * 12.0 = 24.0
6 7 J K:
7 6 - 11 13 + *
7.0 - 6.0 = 1.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
6 7 Q Q:
7 6 - 12 12 + *
7.0 - 6.0 = 1.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
6 7 Q K:
6 7 12 13 + - -
12.0 + 13.0 = 25.0, 7.0 - 25.0 = -18.0, 6.0 - -18.0 = 24.0
6 7 K K:
6 8 8 8:
8 6 - 8 * 8 +
8.0 - 6.0 = 2.0, 2.0 * 8.0 = 16.0, 16.0 + 8.0 = 24.0
6 8 8 9:
8 8 + 6 / 9 *
8.0 + 8.0 = 16.0, 16.0 / 6.0 = 2.6666666666666665, 2.6666666666666665 * 9.0 = 24.0
6 8 8 10:
6 8 10 8 - / *
10.0 - 8.0 = 2.0, 8.0 / 2.0 = 4.0, 6.0 * 4.0 = 24.0
6 8 8 J:
6 8 + 11 - 8 *
6.0 + 8.0 = 14.0, 14.0 - 11.0 = 3.0, 3.0 * 8.0 = 24.0
6 8 8 Q:
6 8 8 + 12 - *
8.0 + 8.0 = 16.0, 16.0 - 12.0 = 4.0, 6.0 * 4.0 = 24.0
6 8 8 K:
6 8 9 9:
8 6 9 9 + / /
9.0 + 9.0 = 18.0, 6.0 / 18.0 = 0.3333333333333333, 8.0 / 0.3333333333333333 = 24.0
6 8 9 10:
6 8 10 - 9 * -
8.0 - 10.0 = -2.0, -2.0 * 9.0 = -18.0, 6.0 - -18.0 = 24.0
6 8 9 J:
6 8 11 9 - / *
11.0 - 9.0 = 2.0, 8.0 / 2.0 = 4.0, 6.0 * 4.0 = 24.0
6 8 9 Q:
6 9 + 12 - 8 *
6.0 + 9.0 = 15.0, 15.0 - 12.0 = 3.0, 3.0 * 8.0 = 24.0
6 8 9 K:
6 8 9 + 13 - *
8.0 + 9.0 = 17.0, 17.0 - 13.0 = 4.0, 6.0 * 4.0 = 24.0
6 8 10 10:
6 8 10 J:
10 11 8 - * 6 -
11.0 - 8.0 = 3.0, 10.0 * 3.0 = 30.0, 30.0 - 6.0 = 24.0
6 8 10 Q:
6 8 12 10 - / *
12.0 - 10.0 = 2.0, 8.0 / 2.0 = 4.0, 6.0 * 4.0 = 24.0
6 8 10 K:
6 10 + 13 - 8 *
6.0 + 10.0 = 16.0, 16.0 - 13.0 = 3.0, 3.0 * 8.0 = 24.0
6 8 J J:
8 6 11 11 + - -
11.0 + 11.0 = 22.0, 6.0 - 22.0 = -16.0, 8.0 - -16.0 = 24.0
6 8 J Q:
6 11 8 - / 12 *
11.0 - 8.0 = 3.0, 6.0 / 3.0 = 2.0, 2.0 * 12.0 = 24.0
6 8 J K:
6 8 * 11 13 + -
6.0 * 8.0 = 48.0, 11.0 + 13.0 = 24.0, 48.0 - 24.0 = 24.0
6 8 Q Q:
6 8 + 12 - 12 *
6.0 + 8.0 = 14.0, 14.0 - 12.0 = 2.0, 2.0 * 12.0 = 24.0
6 8 Q K:
6 8 K K:
6 8 13 13 + - -
13.0 + 13.0 = 26.0, 8.0 - 26.0 = -18.0, 6.0 - -18.0 = 24.0
6 9 9 9:

```
6 9 9 10:
9 6 / 10 * 9 +
9.0 / 6.0 = 1.5, 1.5 * 10.0 = 15.0, 15.0 + 9.0 = 24.0
6 9 9 J:
6 9 9 11 - * -
9.0 - 11.0 = -2.0, 9.0 * -2.0 = -18.0, 6.0 - -18.0 = 24.0
6 9 9 Q:
9 6 9 12 + - -
9.0 + 12.0 = 21.0, 6.0 - 21.0 = -15.0, 9.0 - -15.0 = 24.0
6 9 9 K:
6 9 10 10:
6 9 10 J:
9 6 10 11 + - -
10.0 + 11.0 = 21.0, 6.0 - 21.0 = -15.0, 9.0 - -15.0 = 24.0
6 9 10 Q:
6 9 10 12 - * -
10.0 - 12.0 = -2.0, 9.0 * -2.0 = -18.0, 6.0 - -18.0 = 24.0
6 9 10 K:
6 9 J J:
6 9 J Q:
6 11 9 - * 12 +
11.0 - 9.0 = 2.0, 6.0 * 2.0 = 12.0, 12.0 + 12.0 = 24.0
6 9 J K:
6 9 11 13 - * -
11.0 - 13.0 = -2.0, 9.0 * -2.0 = -18.0, 6.0 - -18.0 = 24.0
6 9 Q Q:
6 12 + 9 / 12 *
6.0 + 12.0 = 18.0, 18.0 / 9.0 = 2.0, 2.0 * 12.0 = 24.0
6 9 Q K:
6 9 + 13 - 12 *
6.0 + 9.0 = 15.0, 15.0 - 13.0 = 2.0, 2.0 * 12.0 = 24.0
6 9 K K:
6 10 10 10:
10 6 10 10 + - -
10.0 + 10.0 = 20.0, 6.0 - 20.0 = -14.0, 10.0 - -14.0 = 24.0
6 10 10 J:
6 10 10 Q:
6 10 10 K:
10 13 10 - * 6 -
13.0 - 10.0 = 3.0, 10.0 * 3.0 = 30.0, 30.0 - 6.0 = 24.0
6 10 J J:
6 10 J Q:
10 11 6 - / 12 *
11.0 - 6.0 = 5.0, 10.0 / 5.0 = 2.0, 2.0 * 12.0 = 24.0
6 10 J K:
6 10 Q Q:
6 12 10 - * 12 +
12.0 - 10.0 = 2.0, 6.0 * 2.0 = 12.0, 12.0 + 12.0 = 24.0
6 10 Q K:
6 12 13 10 - / *
13.0 - 10.0 = 3.0, 12.0 / 3.0 = 4.0, 6.0 * 4.0 = 24.0
6 10 K K:
6 J J J:
6 J J Q:
11 11 + 12 6 / +
11.0 + 11.0 = 22.0, 12.0 / 6.0 = 2.0, 22.0 + 2.0 = 24.0
6 J J K:
6 J Q Q:
11 12 * 12 + 6 /
11.0 * 12.0 = 132.0, 132.0 + 12.0 = 144.0, 144.0 / 6.0 = 24.0
6 J Q K:
6 13 11 - * 12 +
13.0 - 11.0 = 2.0, 6.0 * 2.0 = 12.0, 12.0 + 12.0 = 24.0
6 J K K:
6 Q Q Q:
12 12 6 - / 12 *
12.0 - 6.0 = 6.0, 12.0 / 6.0 = 2.0, 2.0 * 12.0 = 24.0
6 Q Q K:
12 13 * 12 - 6 /
12.0 * 13.0 = 156.0, 156.0 - 12.0 = 144.0, 144.0 / 6.0 = 24.0
6 Q K K:
13 12 6 / - 13 +
12.0 / 6.0 = 2.0, 13.0 - 2.0 = 11.0, 11.0 + 13.0 = 24.0
6 K K K:
7 7 7 7:
7 7 7 8:
7 7 7 9:
7 7 7 10:
7 7 7 J:
7 7 7 Q:
7 7 + 7 / 12 *
7.0 + 7.0 = 14.0, 14.0 / 7.0 = 2.0, 2.0 * 12.0 = 24.0
7 7 7 K:
7 7 8 8:
7 7 8 9:
7 7 8 10:
7 7 8 J:
7 7 + 11 - 8 *
```

7.0 + 7.0 = 14.0, 14.0 - 11.0 = 3.0, 3.0 * 8.0 = 24.0
7 7 8 Q:
7 7 8 K:
7 7 9 9:
7 7 9 10:
7 9 7 - * 10 +
9.0 - 7.0 = 2.0, 7.0 * 2.0 = 14.0, 14.0 + 10.0 = 24.0
7 7 9 J:
7 7 9 Q:
7 7 9 K:
7 7 10 10:
7 7 10 J:
7 7 10 Q:
7 7 10 K:
7 7 / 10 13 + +
7.0 / 7.0 = 1.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
7 7 J J:
7 7 J Q:
7 7 / 11 12 + +
7.0 / 7.0 = 1.0, 11.0 + 12.0 = 23.0, 1.0 + 23.0 = 24.0
7 7 J K:
7 7 11 13 + - -
11.0 + 13.0 = 24.0, 7.0 - 24.0 = -17.0, 7.0 - -17.0 = 24.0
7 7 Q Q:
7 7 12 12 + - -
12.0 + 12.0 = 24.0, 7.0 - 24.0 = -17.0, 7.0 - -17.0 = 24.0
7 7 Q K:
7 7 * 12 13 + -
7.0 * 7.0 = 49.0, 12.0 + 13.0 = 25.0, 49.0 - 25.0 = 24.0
7 7 K K:
7 8 8 8:
7 8 8 9:
8 7 9 - 8 * -
7.0 - 9.0 = -2.0, -2.0 * 8.0 = -16.0, 8.0 - -16.0 = 24.0
7 8 8 10:
8 10 * 8 7 * -
8.0 * 10.0 = 80.0, 8.0 * 7.0 = 56.0, 80.0 - 56.0 = 24.0
7 8 8 J:
8 11 7 - * 8 -
11.0 - 7.0 = 4.0, 8.0 * 4.0 = 32.0, 32.0 - 8.0 = 24.0
7 8 8 Q:
7 8 + 12 - 8 *
7.0 + 8.0 = 15.0, 15.0 - 12.0 = 3.0, 3.0 * 8.0 = 24.0
7 8 8 K:
8 7 8 13 + / /
8.0 + 13.0 = 21.0, 7.0 / 21.0 = 0.3333333333333333, 8.0 / 0.3333333333333333 = 24.0
7 8 9 9:
7 8 9 10:
8 9 10 7 - / *
10.0 - 7.0 = 3.0, 9.0 / 3.0 = 3.0, 8.0 * 3.0 = 24.0
7 8 9 J:
7 8 9 Q:
7 9 + 8 / 12 *
7.0 + 9.0 = 16.0, 16.0 / 8.0 = 2.0, 2.0 * 12.0 = 24.0
7 8 9 K:
7 9 + 13 - 8 *
7.0 + 9.0 = 16.0, 16.0 - 13.0 = 3.0, 3.0 * 8.0 = 24.0
7 8 10 10:
7 10 8 - * 10 +
10.0 - 8.0 = 2.0, 7.0 * 2.0 = 14.0, 14.0 + 10.0 = 24.0
7 8 10 J:
8 7 10 11 + / /
10.0 + 11.0 = 21.0, 7.0 / 21.0 = 0.3333333333333333, 8.0 / 0.3333333333333333 = 24.0
7 8 10 Q:
7 8 10 K:
8 7 10 13 + - -
10.0 + 13.0 = 23.0, 7.0 - 23.0 = -16.0, 8.0 - -16.0 = 24.0
7 8 J J:
7 8 J Q:
8 7 11 12 + - -
11.0 + 12.0 = 23.0, 7.0 - 23.0 = -16.0, 8.0 - -16.0 = 24.0
7 8 J K:
7 13 8 - * 11 -
13.0 - 8.0 = 5.0, 7.0 * 5.0 = 35.0, 35.0 - 11.0 = 24.0
7 8 Q Q:
8 7 - 12 12 + *
8.0 - 7.0 = 1.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
7 8 Q K:
7 8 12 13 + - -
12.0 + 13.0 = 25.0, 8.0 - 25.0 = -17.0, 7.0 - -17.0 = 24.0
7 8 K K:
7 9 9 9:
7 9 9 10:
7 9 9 J:
7 9 9 Q:
7 9 9 K:
9 7 9 13 + - -
9.0 + 13.0 = 22.0, 7.0 - 22.0 = -15.0, 9.0 - -15.0 = 24.0

```
7 9 10 10:
7 9 10 J:
7 11 9 - * 10 +
11.0 - 9.0 = 2.0, 7.0 * 2.0 = 14.0, 14.0 + 10.0 = 24.0
7 9 10 Q:
9 7 10 12 + - -
10.0 + 12.0 = 22.0, 7.0 - 22.0 = -15.0, 9.0 - -15.0 = 24.0
7 9 10 K:
7 9 J J:
9 7 11 11 + - -
11.0 + 11.0 = 22.0, 7.0 - 22.0 = -15.0, 9.0 - -15.0 = 24.0
7 9 J Q:
7 11 + 9 / 12 *
7.0 + 11.0 = 18.0, 18.0 / 9.0 = 2.0, 2.0 * 12.0 = 24.0
7 9 J K:
7 9 Q Q:
9 12 * 7 12 * -
9.0 * 12.0 = 108.0, 7.0 * 12.0 = 84.0, 108.0 - 84.0 = 24.0
7 9 Q K:
7 9 K K:
7 9 13 13 + - -
13.0 + 13.0 = 26.0, 9.0 - 26.0 = -17.0, 7.0 - -17.0 = 24.0
7 10 10 10:
7 10 10 J:
10 7 10 11 + - -
10.0 + 11.0 = 21.0, 7.0 - 21.0 = -14.0, 10.0 - -14.0 = 24.0
7 10 10 Q:
7 12 10 - * 10 +
12.0 - 10.0 = 2.0, 7.0 * 2.0 = 14.0, 14.0 + 10.0 = 24.0
7 10 10 K:
7 10 J J:
7 10 J Q:
7 10 J K:
7 13 11 - * 10 +
13.0 - 11.0 = 2.0, 7.0 * 2.0 = 14.0, 14.0 + 10.0 = 24.0
7 10 Q Q:
10 7 - 12 * 12 -
10.0 - 7.0 = 3.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
7 10 Q K:
7 13 + 12 * 10 /
7.0 + 13.0 = 20.0, 20.0 * 12.0 = 240.0, 240.0 / 10.0 = 24.0
7 10 K K:
7 J J J:
7 J J Q:
7 J J K:
7 J Q Q:
7 J Q K:
7 J K K:
7 Q Q Q:
7 Q Q K:
12 12 13 7 - / *
13.0 - 7.0 = 6.0, 12.0 / 6.0 = 2.0, 12.0 * 2.0 = 24.0
7 Q K K:
7 K K K:
8 8 8 8:
8 8 8 9:
8 8 8 10:
8 8 8 10 - * -
8.0 - 10.0 = -2.0, 8.0 * -2.0 = -16.0, 8.0 - -16.0 = 24.0
8 8 8 J:
8 11 * 8 8 * -
8.0 * 11.0 = 88.0, 8.0 * 8.0 = 64.0, 88.0 - 64.0 = 24.0
8 8 8 Q:
8 8 + 8 / 12 *
8.0 + 8.0 = 16.0, 16.0 / 8.0 = 2.0, 2.0 * 12.0 = 24.0
8 8 8 K:
8 8 8 + 13 - *
8.0 + 8.0 = 16.0, 16.0 - 13.0 = 3.0, 8.0 * 3.0 = 24.0
8 8 9 9:
8 8 9 10:
8 8 9 J:
8 8 9 11 - * -
9.0 - 11.0 = -2.0, 8.0 * -2.0 = -16.0, 8.0 - -16.0 = 24.0
8 8 9 Q:
8 12 * 9 8 * -
8.0 * 12.0 = 96.0, 9.0 * 8.0 = 72.0, 96.0 - 72.0 = 24.0
8 8 9 K:
8 13 9 - * 8 -
13.0 - 9.0 = 4.0, 8.0 * 4.0 = 32.0, 32.0 - 8.0 = 24.0
8 8 10 10:
8 8 10 J:
8 8 10 Q:
8 8 10 12 - * -
10.0 - 12.0 = -2.0, 8.0 * -2.0 = -16.0, 8.0 - -16.0 = 24.0
8 8 10 K:
8 8 / 10 13 + +
8.0 / 8.0 = 1.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
8 8 J J:
```

```
8 8 J Q:
8 8 / 11 12 + +
8.0 / 8.0 = 1.0, 11.0 + 12.0 = 23.0, 1.0 + 23.0 = 24.0
8 8 J K:
8 8 11 13 + - -
11.0 + 13.0 = 24.0, 8.0 - 24.0 = -16.0, 8.0 - -16.0 = 24.0
8 8 Q Q:
8 8 12 12 + - -
12.0 + 12.0 = 24.0, 8.0 - 24.0 = -16.0, 8.0 - -16.0 = 24.0
8 8 Q K:
12 8 8 / - 13 +
8.0 / 8.0 = 1.0, 12.0 - 1.0 = 11.0, 11.0 + 13.0 = 24.0
8 8 K K:
8 9 9 9:
8 9 9 10:
8 9 9 J:
8 9 9 Q:
8 9 12 9 - / *
12.0 - 9.0 = 3.0, 9.0 / 3.0 = 3.0, 8.0 * 3.0 = 24.0
8 9 9 K:
8 9 10 10:
8 9 10 J:
8 9 10 Q:
8 10 + 9 / 12 *
8.0 + 10.0 = 18.0, 18.0 / 9.0 = 2.0, 2.0 * 12.0 = 24.0
8 9 10 K:
8 9 13 10 - / *
13.0 - 10.0 = 3.0, 9.0 / 3.0 = 3.0, 8.0 * 3.0 = 24.0
8 9 J J:
11 8 - 11 * 9 -
11.0 - 8.0 = 3.0, 3.0 * 11.0 = 33.0, 33.0 - 9.0 = 24.0
8 9 J Q:
9 8 11 12 + - -
11.0 + 12.0 = 23.0, 8.0 - 23.0 = -15.0, 9.0 - -15.0 = 24.0
8 9 J K:
9 8 - 11 13 + *
9.0 - 8.0 = 1.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
8 9 Q Q:
8 12 9 / 12 * +
12.0 / 9.0 = 1.3333333333333333, 1.3333333333333333 * 12.0 = 16.0, 8.0 + 16.0 = 24.0
8 9 Q K:
8 9 12 13 + - -
12.0 + 13.0 = 25.0, 9.0 - 25.0 = -16.0, 8.0 - -16.0 = 24.0
8 9 K K:
8 10 10 10:
8 10 10 J:
8 10 10 Q:
10 8 10 12 + - -
10.0 + 12.0 = 22.0, 8.0 - 22.0 = -14.0, 10.0 - -14.0 = 24.0
8 10 10 K:
8 10 J J:
10 8 11 11 + - -
11.0 + 11.0 = 22.0, 8.0 - 22.0 = -14.0, 10.0 - -14.0 = 24.0
8 10 J Q:
8 10 J K:
8 10 Q Q:
8 12 + 10 / 12 *
8.0 + 12.0 = 20.0, 20.0 / 10.0 = 2.0, 2.0 * 12.0 = 24.0
8 10 Q K:
10 12 13 8 - / *
13.0 - 8.0 = 5.0, 12.0 / 5.0 = 2.4, 10.0 * 2.4 = 24.0
8 10 K K:
8 10 13 13 + - -
13.0 + 13.0 = 26.0, 10.0 - 26.0 = -16.0, 8.0 - -16.0 = 24.0
8 J J J:
8 J J Q:
8 J J K:
8 J Q Q:
11 8 - 12 * 12 -
11.0 - 8.0 = 3.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
8 J Q K:
8 J K K:
8 Q Q Q:
8 Q Q K:
8 Q K K:
8 K K K:
9 9 9 9:
9 9 9 10:
9 9 9 J:
9 9 9 Q:
9 9 + 9 / 12 *
9.0 + 9.0 = 18.0, 18.0 / 9.0 = 2.0, 2.0 * 12.0 = 24.0
9 9 9 K:
9 9 10 10:
9 9 10 J:
9 9 10 Q:
9 9 10 K:
9 9 / 10 13 + +
```

```
9.0 / 9.0 = 1.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
9 9 J J:
9 9 J Q:
9 9 / 11 12 + +
9.0 / 9.0 = 1.0, 11.0 + 12.0 = 23.0, 1.0 + 23.0 = 24.0
9 9 J K:
9 9 11 13 + - -
11.0 + 13.0 = 24.0, 9.0 - 24.0 = -15.0, 9.0 - -15.0 = 24.0
9 9 Q Q:
9 9 12 12 + - -
12.0 + 12.0 = 24.0, 9.0 - 24.0 = -15.0, 9.0 - -15.0 = 24.0
9 9 Q K:
9 13 9 - * 12 -
13.0 - 9.0 = 4.0, 9.0 * 4.0 = 36.0, 36.0 - 12.0 = 24.0
9 9 K K:
9 10 10 10:
9 10 10 J:
9 10 10 Q:
9 10 10 K:
10 9 10 13 + - -
10.0 + 13.0 = 23.0, 9.0 - 23.0 = -14.0, 10.0 - -14.0 = 24.0
9 10 J J:
9 10 J Q:
9 11 + 10 / 12 *
9.0 + 11.0 = 20.0, 20.0 / 10.0 = 2.0, 2.0 * 12.0 = 24.0
9 10 J K:
10 9 - 11 13 + *
10.0 - 9.0 = 1.0, 11.0 + 13.0 = 24.0, 1.0 * 24.0 = 24.0
9 10 Q Q:
10 9 - 12 12 + *
10.0 - 9.0 = 1.0, 12.0 + 12.0 = 24.0, 1.0 * 24.0 = 24.0
9 10 Q K:
9 10 12 13 + - -
12.0 + 13.0 = 25.0, 10.0 - 25.0 = -15.0, 9.0 - -15.0 = 24.0
9 10 K K:
9 J J J:
11 9 11 11 + - -
11.0 + 11.0 = 22.0, 9.0 - 22.0 = -13.0, 11.0 - -13.0 = 24.0
9 J J Q:
9 J J K:
9 J Q Q:
11 12 * 9 12 * -
11.0 * 12.0 = 132.0, 9.0 * 12.0 = 108.0, 132.0 - 108.0 = 24.0
9 J Q K:
9 13 + 12 * 11 /
9.0 + 13.0 = 22.0, 22.0 * 12.0 = 264.0, 264.0 / 11.0 = 24.0
9 J K K:
9 11 13 13 + - -
13.0 + 13.0 = 26.0, 11.0 - 26.0 = -15.0, 9.0 - -15.0 = 24.0
9 Q Q Q:
12 9 - 12 * 12 -
12.0 - 9.0 = 3.0, 3.0 * 12.0 = 36.0, 36.0 - 12.0 = 24.0
9 Q Q K:
9 Q K K:
9 K K K:
10 10 10 10:
10 10 10 J:
10 10 10 Q:
10 10 + 10 / 12 *
10.0 + 10.0 = 20.0, 20.0 / 10.0 = 2.0, 2.0 * 12.0 = 24.0
10 10 10 K:
10 10 / 10 13 + +
10.0 / 10.0 = 1.0, 10.0 + 13.0 = 23.0, 1.0 + 23.0 = 24.0
10 10 J J:
10 10 J Q:
10 10 / 11 12 + +
10.0 / 10.0 = 1.0, 11.0 + 12.0 = 23.0, 1.0 + 23.0 = 24.0
10 10 J K:
10 10 11 13 + - -
11.0 + 13.0 = 24.0, 10.0 - 24.0 = -14.0, 10.0 - -14.0 = 24.0
10 10 Q Q:
10 10 12 12 + - -
12.0 + 12.0 = 24.0, 10.0 - 24.0 = -14.0, 10.0 - -14.0 = 24.0
10 10 Q K:
12 10 10 / - 13 +
10.0 / 10.0 = 1.0, 12.0 - 1.0 = 11.0, 11.0 + 13.0 = 24.0
10 10 K K:
10 J J J:
10 J J Q:
11 10 11 12 + - -
11.0 + 12.0 = 23.0, 10.0 - 23.0 = -13.0, 11.0 - -13.0 = 24.0
10 J J K:
10 11 11 / 13 + +
11.0 / 11.0 = 1.0, 1.0 + 13.0 = 14.0, 10.0 + 14.0 = 24.0
10 J Q Q:
10 12 + 11 / 12 *
10.0 + 12.0 = 22.0, 22.0 / 11.0 = 2.0, 2.0 * 12.0 = 24.0
10 J Q K:
```

```
10 11 12 13 + - -
12.0 + 13.0 = 25.0, 11.0 - 25.0 = -14.0, 10.0 - -14.0 = 24.0
10 J K K:
10 Q Q Q:
12 12 * 10 12 * -
12.0 * 12.0 = 144.0, 10.0 * 12.0 = 120.0, 144.0 - 120.0 = 24.0
10 Q Q K:
10 12 12 / 13 + +
12.0 / 12.0 = 1.0, 1.0 + 13.0 = 14.0, 10.0 + 14.0 = 24.0
10 Q K K:
10 12 13 13 + - -
13.0 + 13.0 = 26.0, 12.0 - 26.0 = -14.0, 10.0 - -14.0 = 24.0
10 K K K:
10 13 + 13 13 / +
10.0 + 13.0 = 23.0, 13.0 / 13.0 = 1.0, 23.0 + 1.0 = 24.0
J J J J:
J J J Q:
11 11 + 11 / 12 *
11.0 + 11.0 = 22.0, 22.0 / 11.0 = 2.0, 2.0 * 12.0 = 24.0
J J J K:
11 11 + 11 - 13 +
11.0 + 11.0 = 22.0, 22.0 - 11.0 = 11.0, 11.0 + 13.0 = 24.0
J J Q Q:
11 11 12 12 + - -
12.0 + 12.0 = 24.0, 11.0 - 24.0 = -13.0, 11.0 - -13.0 = 24.0
J J Q K:
11 11 12 - 13 * -
11.0 - 12.0 = -1.0, -1.0 * 13.0 = -13.0, 11.0 - -13.0 = 24.0
J J K K:
J Q Q Q:
11 12 + 12 12 / +
11.0 + 12.0 = 23.0, 12.0 / 12.0 = 1.0, 23.0 + 1.0 = 24.0
J Q Q K:
11 12 + 12 - 13 +
11.0 + 12.0 = 23.0, 23.0 - 12.0 = 11.0, 11.0 + 13.0 = 24.0
J Q K K:
11 12 + 13 13 / +
11.0 + 12.0 = 23.0, 13.0 / 13.0 = 1.0, 23.0 + 1.0 = 24.0
J K K K:
11 13 + 13 + 13 -
11.0 + 13.0 = 24.0, 24.0 + 13.0 = 37.0, 37.0 - 13.0 = 24.0
Q Q Q Q:
12 12 + 12 + 12 -
12.0 + 12.0 = 24.0, 24.0 + 12.0 = 36.0, 36.0 - 12.0 = 24.0
Q Q Q K:
12 12 12 13 - * -
12.0 - 13.0 = -1.0, 12.0 * -1.0 = -12.0, 12.0 - -12.0 = 24.0
Q Q K K:
12 12 + 13 + 13 -
12.0 + 12.0 = 24.0, 24.0 + 13.0 = 37.0, 37.0 - 13.0 = 24.0
Q K K K:
12 13 13 + * 13 /
13.0 + 13.0 = 26.0, 12.0 * 26.0 = 312.0, 312.0 / 13.0 = 24.0
K K K K:
```