

Seven Card Stud

```
19 import itertools
20
21 def best_hand(hand):
22     "From a 7-card hand, return the best 5 card hand."
23     return max(itertools.combinations(hand, 5), key=hand_rank)
24
25
```

Jokers Wild

```
def best_wild_hand(hand):
    "Try all values for jokers in all 5-card selections."
    hands = set(best_hand(h)
                for h in itertools.product(*map(replacements, hand)))
    return max(hands, key=hand_rank)

def replacements(card):
    if card == '?B': return blackcards
    elif card == '?R': return redcards
    else: return [card]
```