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MacBook-Pro-cua-Nguyen:GitHub zensmac$ cd /Users/zensmac/Desktop/GitHub ; /usr/bin/env /usr/local/bin/python3 /Users/z/pythonFiles/lib/python/debugpy/adapter/../../debugpy/launcher 59983 -- /Users/zensmac/Desktop/GitHub/Discrete-Structure
```

Part 1:

a. The number of ways to distribute 5 distinguishable cards for 4 distinguishable player is

=> 1.4782628434756438e+24

b. The number of ways to distribute 40 distinguishable journal into 4 distinguishable boxes with 10 in each of them is

=> 4.70536087107357e+21

Part 2:

a. The number of ways to distribute 10 indistinguishable objects into 8 distinguishable boxes is

=> 19448.0

b. The number of ways to distribute 12 indistinguishable balls into 6 distinguishable bins is

=> 6188.0

Part 3:

a. The number of ways to distribute 4 distinguishable employees into 3 indistinguishable offices is

=> 360.0

b. The number of ways to distribute 5 distinguishable employees into 4 indistinguishable offices is

=> 6720.0

Part 4:

a. The number of ways to distribute 6 indistinguishable book into 4 indistinguishable boxes is

Treacher (most recent call last):