Problem 2

Black Jack

In [1]:

```python
import numpy as np

def GetCard():
    '''generate rand num 0~10'''
    return np.random.randint(0,10)
```

In [2]:

```python
def BlackJack():
    '''BlackJack - Make number closet to 21'''
    USER = 0
    BOT = 0
    KEEP = 0
    while KEEP == 0:
        USER += GetCard()
        BOTCARD = GetCard()

        if BOT + BOTCARD <= 21:
            BOT += BOTCARD

        if USER > 21:
            print(USER,'was over than 21.. You lose')
            break

        print('Your sum: ',USER)
        print('0: Draw, 1: Not')
        KEEP = int(input()) # User's decision: Keep getting card

    if USER > BOT and USER <= 21:
        if USER == 21:
            print("BLACKJACK! YOU WIN!")
        else:
            print("YOU WIN! - YOU:", USER, "BOT:", BOT)
    elif USER == BOT and USER <= 21:
        print("DRAW!")
    else:
        print("You lose.. - YOU:", USER, "BOT:", BOT)
```

In [3]:

```python
BlackJack()
```

```
Your sum:  3
0: Draw, 1: Not
0
Your sum:  11
0: Draw, 1: Not
0
Your sum:  15
0: Draw, 1: Not
0
24 was over than 21.. You lose
You lose.. - YOU: 24 BOT: 16
```

In [ ]: