

## Hw 5-Pseudocode

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7:24 PM

### Procedure beta(N,M):

#  $N$  means the subscript of  $\beta$

$$n \leftarrow 0, m \leftarrow 0$$

$M$  means the # of trials in  $\hat{\pi}$

$$\hat{u} \leftarrow [ ]$$

for  $i$  in  $1, 2, \dots, N$ :

$$\hat{\pi} [\hat{\pi}_1(M), \hat{\pi}_2(M), \dots, \hat{\pi}_N(M)]$$
$$n \leftarrow \text{sum}(\hat{\pi})$$
$$\mu \leftarrow \frac{\hat{\mu}}{N}$$

#  $\bar{\pi}$  means the average of  $\hat{\pi}$

for  $i$  in  $1, 2, \dots, N$

$$m \leftarrow \sum (\hat{\pi}_i - \bar{\pi})^2$$
$$\rho \leftarrow \frac{m}{N}$$

return  $\beta$