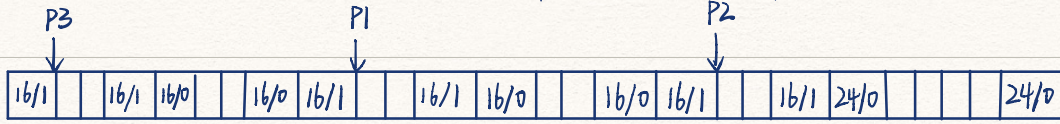


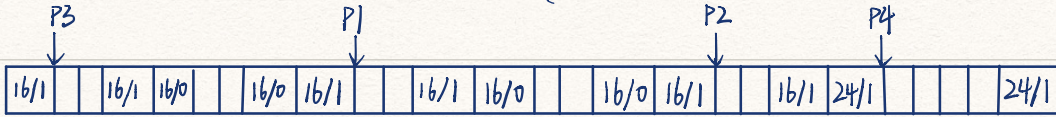
1. first fit:

1: p3 = malloc(4)

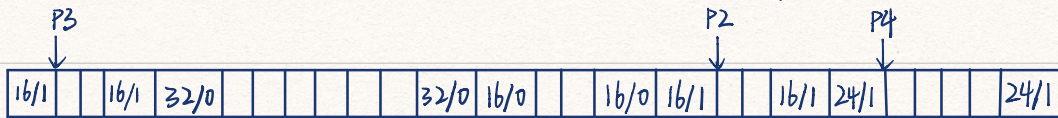
实时利用率  $util = (4+8+8)/104 = 19.231\%$



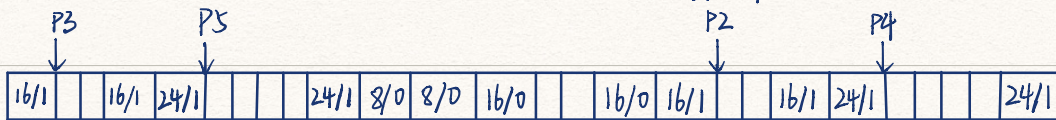
2: P4 = malloc(10)

$$util = (10 + 4 + 8 + 8) / 104 = 28.846\%$$


3: free(P1)

$$util = (10+4+8)/104 = 21.154\%$$


4:  $PS = \text{malloc}(16)$

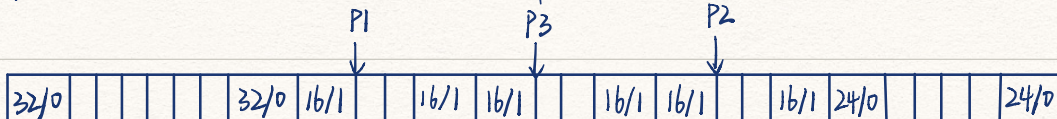
$$util = (16 + 10 + 4 + 8) / 104 = 36.538\%$$


∴峰值利用率约为36.538%

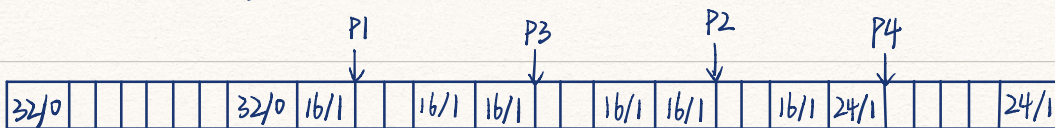
② best fit:

1: p3 = malloc(4)

实时利用率  $util = (4+8+8)/104 = 19.23\%$



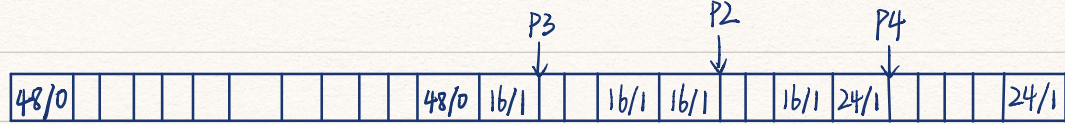
2: P4 = malloc(10)

$$util = (10 + 4 + 8 + 8) / 104 = 28.846\%$$




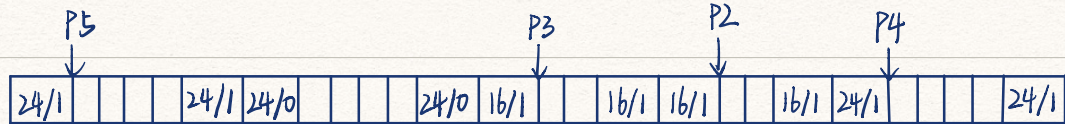
3: free(P1)

$$util = 22/104 = 21.154\%$$



4: P5 = malloc(16)

$$util = 38/104 = 36.538\%$$



∴ 峰值利用率为 36.538%