1.(1) 4096-128=3968bytes

12+16+32+70=130bytes

3968/130=30(向下取整)

可以装下 30 个 records

(2)(i)24+1300=1324bytes

3968/1324=2(向下取整)

5/2=3(向上取整)

需要 3 个 blocks

(ii) 3968*3-1324*5=5284bytes

空余空间 5284bytes

(iii) 由 3968/1324=2(向下取整),1 个 block 不可以满足要求

考虑使得 1 条 records 跨越 2 个 blocks 并将 5 条 records 存入 2 个 blocks

1324*5+12*2=6644bytes

3968*2=7396bytes>6644bytes

需要 2 个 blocks

- 2. 4096-128=3968bytes
- (i) 59*(63+4)=3953bytes<3968bytes can be stored in a single block
- (ii) 39*(94+4)+10*(100+4)=4862bytes>3968bytes can't be stored in a single block
- (iii) 50*(11+4)+10*(13+4)+20*(148+4)=3960bytes<3968bytes can be stored in a single block
- (iv) 2*(1982+4)=3972bytes>3968bytes can't be stored in a single block
- (i)(iii) can be stored in a single block