Time & Space

30 September 2018 09:02 AM

Q 1:

```
for (i = 1 to n)
    for (j = 1 to n)
        syso (CB)
```

Q 2:

```
i = 1 , s = 1
while (s <= n) {
    i++
    s = s + i
    syso (CB)
}
```

Q 3:

```
i = 1
for (i = 1 ; i^2 <= n ; i++)
```

```
syso(cB)
```

Q4:

```
int i, j, k, n
for (i=1; i<=n; i++) {
    for (j=1; j<=i; j++) {
        for (k=1; k<=1000; k++) {
            syso(cB);
        }
    }
}
```

Q5:

```
int i, j, k, n;
for (i=1; i<=n; i++) {
    for (j=1; j<=i^2; j++) {
        for (k=1; k<=n/2; k++) {
            syso(cB)
        }
    }
}
```

Q6:

```
for (i=1; i<=n; i=i*2){
        syso(CB)
}
```

Q7:

```
int i,j,k;
for (i=n/2; i<=n; i++) {
    for (j=1; j<=n/2 ; j++) {
        for (k=1; k<=n; k=k*2)
            syso(CB)
    }
}
```

Q8:

```
int i,j,k;
for (i=n/2 ; i<=n; i++) {
    for (j=1; j<=n; j=2*j ) {
        for (k=1; k<=n; k=k*2) {
            syso(CB)
        }
```

```
    }
}
```

Q9:

```
while (n > 1) {
    n = n/2
}
```

Q10:

```
for (i=1; i≤n; i++)
    for (j=1; j≤n; j= j+i)
        syso(CB)
```

Q11:

```
int n = 2^(2^k)
for (i=1; i≤n; i++) {
    for (j=2; j≤n; j= j^2) {
        syso(CB)
    }
}
```