

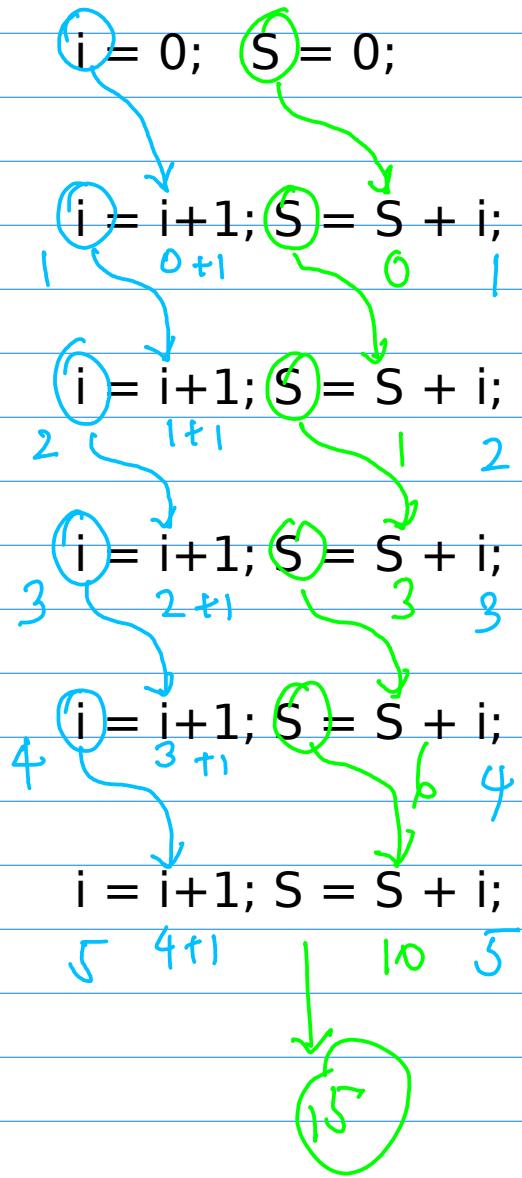
# C Programming

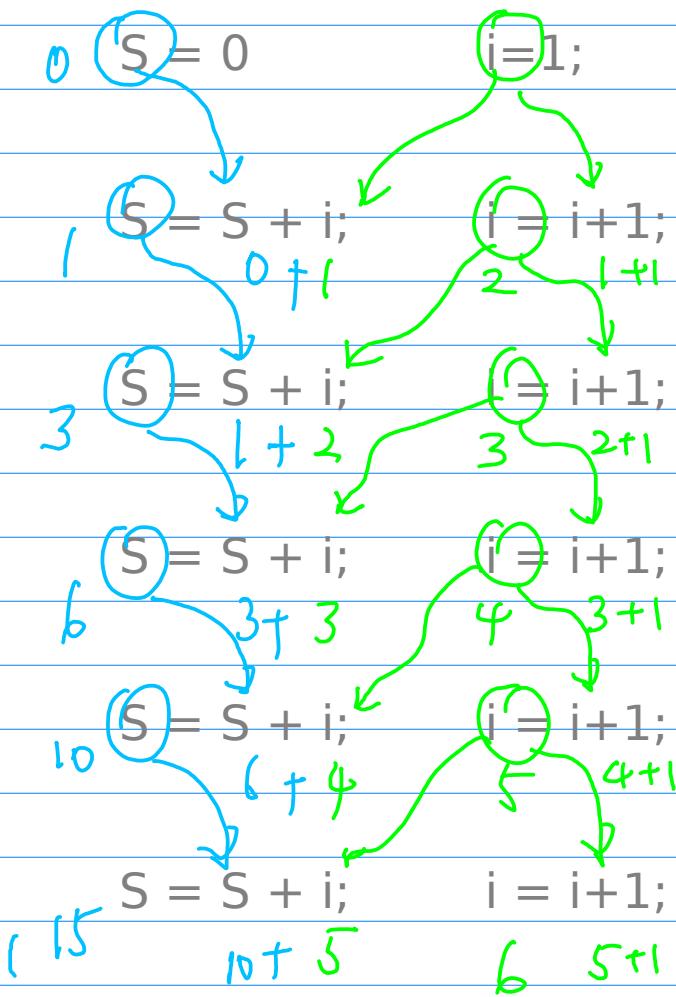
## Day04.B

if  
if ... else

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```
#include <stdio.h>

int main(void) {
    int i=0, S=0;

    while (i<5) {
        printf("old i= %d --> ", i);
        i = i + 1;
        printf("i=%d + ", i);
        printf("old S= %d --> ", S);
        S = S + i;
        printf("S= %d\n", S);
    }
    printf("S= %d \n", S);
}
```

~

old i= 0 --> i=1 + old S= 0 --> S= 1  
old i= 1 --> i=2 + old S= 1 --> S= 3  
old i= 2 --> i=3 + old S= 3 --> S= 6  
old i= 3 --> i=4 + old S= 6 --> S= 10  
old i= 4 --> i=5 + old S= 10 --> S= 15  
S= 15

