```
int I=1, J=2, K=4, M=6, N=8, L=0,F, G;
int S= I+J;
K= S+1;
while( I \le N){
K= K+N;
 F= K* N;
 I= I +1;
}
if(( K+J) != (M + F)) {
 F= M+ N;
 G= M*N;
}
else
{ F= M-N;
 G= M+N;
}
do{
 K= G*M;
 F= G-M;
 N=N+1;
}while( N<=20);</pre>
if( N<F)
G= H + N;
return G;
```

```
Source Code:
0:int I=1, J=2, K=4, M=6, N=8, L=0,F, G;
1:int S= I+J;
2:K= S+1;
3:while( I \leftarrow N){
4: K= K+N;
5: F= K* N;
6: I= I +1;
7:}
8:if((K+J)!=(M+F)) {
9: F= M+ N;
10: G= M*N;
11:}
12:else
13:{ F= M-N;
14: G= M+N;
15:}
16:do{
17: K= G*M;
18: F= G-M;
19: N=N+1;
20:}while( N<=20);
21:if( NKF)
22:G= H + N;
23:return G;
Resultant CFG:
A-->(B)
node A contains [0]
B-->(C)
node B contains [1, 2]
C-->(D,E)
node C contains [3]
D-->(C)
node D contains [4, 5, 6, 7]
E-->(F,G)
node E contains [8]
F-->(I)
node F contains [9, 10, 11]
I-->()
node I contains [14, 15]
G-->(H)
node G contains [12]
H-->(I)
node H contains [13]
```

```
int I=1, J=2, K=4, M=6, N=8, L=0,F, G;
int S= I+J;
K= S+1;
while( I <= N && J<10){
K= K+N;
 F= K* N;
 I= I +1;
 if (J< M)
  J=J+2;
 else
 J=J+1;
if((K+J)!=(M+F)){
   F= M+ N;
   G= M*N;
 do{
  K= G*M;
  F= G-M;
  N=N+1;
}while( N<=20);
}
else
{ F= M-N;
if(F<M || G<20)
 G= M+N;
else
  G= M-N;
}
```

```
do{
    K= G*M;
    F= G-M;
    N=N+1;
}while( N<=20);
if( N<F)
    G= H + N;
return G;</pre>
```

```
Source Code:
0:int I=1, J=2, K=4, M=6, N=8, L=0,F, G;
1:int S= I+J;
2:K= S+1;
3:while( I <= N && J<10){
4: K= K+N;
5: F= K* N;
6: I= I +1;
7: if (J< M)
8:
     J=J+2;
     else
10:
      J=J+1;
11:}
12:if(( K+J) != (M + F)) {
13:
        F= M+ N;
14:
        G= M*N;
15:
     do{
16:
        K= G*M;
17:
      F= G-M;
18:
       N=N+1;
19: }while( N<=20);</pre>
20:}
21:else
22:{ F= M-N;
23: if(F<M || G<20)
24: G= M+N;
25: else
      G= M-N:
26:
27:}
28:do{
29:
30:
     K= G*M;
31: F= G-M;
32: N=N+1;
33:}while( N<=20);
34:if( N<F)
35:G= H + N;
36:return G;
Resultant CFG:
A-->(B)
node A contains [0]
B-->(C)
node B contains [1, 2]
C-->(D,Q)
node C contains [3]
D-->(E)
node D contains [4, 5, 6]
E-->(F,G,L,N)
node E contains [7]
F-->(P)
node F contains [8]
P-->(C)
node P contains [27]
```

```
G-->(H)
node G contains [9, 10, 11]
H-->(I)
node H contains [13, 14]
I-->(J)
node I contains [15]
J-->(I,K)
node J contains [16, 17, 18, 19]
K-->(P)
node K contains [20]
L-->(M)
node L contains [21, 22, 23]
M-->(P)
node M contains [24]
N-->(0)
node N contains [25]
0-->(P)
node 0 contains [26]
Q-->(R)
node Q contains [28]
R-->(Q,S)
node R contains [32, 33, 30, 31]
S-->(T)
node S contains [34]
T-->(U)
node T contains [35]
U-->()
node U contains [36]
```

```
int I=1, J=2, K=4, M=6, N=8, L=0,F, G;
int S= I+J;
K= S+1;
if(( K+J) != (M + F)) {
 F= M+ N;
 G= M*N;
 while( I <= N && G<( F+I)) {
 K= K+N;
 F= K* N;
 I= I +1;
}
}
else
F= M-N;
do{
 K= G*M;
 if( N<F)
  G= H + N;
 F= G-M;
 N=N+1;
}while( N<=20);</pre>
return G;
```

```
Source Code:
0:int I=1, J=2, K=4, M=6, N=8, L=0,F, G;
1:int S= I+J;
2:K= S+1;
3:if(( K+J) != (M + F)) {
4: F= M+ N;
5: G= M*N;
6: while( I <= N && G<( F+I)) {
7: K= K+N;
8: F= K* N;
9: I= I +1;
10: }
11:}
12:else
13:F= M-N;
14:do{
15: K= G*M;
16: if( NKF)
17:
      G= H + N;
18:
     F= G-M;
19: N=N+1;
20:}while( N<=20);
21:return G;
Resultant CFG:
A-->(B)
node A contains [0]
B-->(C)
node B contains [1, 2]
C-->(D,H)
node C contains [3]
D-->(E)
node D contains [4, 5]
E-->(F,G)
node E contains [6]
F-->(E)
node F contains [7, 8, 9, 10]
G-->(J)
node G contains [11]
J-->(K)
node J contains [14]
K-->(L)
node K contains [15]
L-->(M)
node L contains [16]
M-->(N)
node M contains [17]
N-->(J,0)
node N contains [18, 19, 20]
0-->()
node 0 contains [21]
H-->(I)
node H contains [12]
```

```
I-->(J)
node I contains [13]
```

```
int I=1, J=2, K=4, M=6, N=8, L=0,F=1, G;
int S= I+J;
K= S+1;
while( I \le N){
 K= K+N;
 do{
 if(( K+J) != (M + F)) {
 G= M*N;
 F= F+1;
}
 else
 F= F+2;
}while( F<=20);
 F= K* N;
 l= l +1;
}
if(( K+J) != (M + F)) {
 F= M+ N;
 G= M*N;
}
else
{ F= M-N;
 G= M+N;
}
G= H + N;
return G;
```

```
Source Code:
0:int I=1, J=2, K=4, M=6, N=8, L=0,F=1, G;
1:int S= I+J;
2:K= S+1;
3:while( I <= N){
4: K= K+N;
5: do{
6: if(( K+J) != (M + F)) {
    G= M*N;
F= F+1;
7:
10: else
      F= F+2;
11:
12: }while( F<=20);</pre>
     F= K* N;
      I= I +1;
14:
15:}
16:if(( K+J) != (M + F)) {
17: F= M+ N;
18:
      G= M*N;
19:}
20:else
21:{ F= M-N;
      G= M+N;
22:
23:}
24:G= H + N;
25:return G;
Resultant CFG:
A-->(B)
node A contains [0]
B-->(C)
node B contains [1, 2]
C-->(D,J)
node C contains [3]
D-->(E)
node D contains [4]
E-->(F)
node E contains [5]
F-->(E,G)
node F contains [7, 8, 9]
G-->(H)
node G contains [10, 11]
H-->(I)
node H contains [12]
I-->(C)
node I contains [13, 14, 15]
```

```
J-->(K,L)
node J contains [16]
K-->(N)
node K contains [17, 18, 19]
N-->()
node N contains [22, 23]
L-->(M)
node L contains [20]
M-->(N)
node M contains [21]
```