

codeX.c

```
for (int t=0; t<T; t++) {  
  for (int i=2; i<N-1; i++)  
    b[i]=(a[i-1]+a[i]+a[i+1])/3;  
  for (int j=2; j<N-1; j++)  
    a[j]=b[j];  
}
```

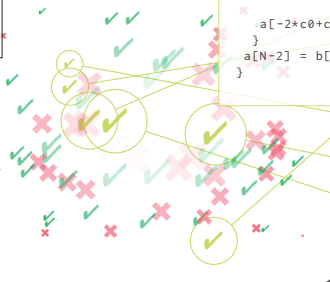
codeX-vY.c

```
for(int c0=0; c0<T; c0+=1) {  
  b[2]=(a[1]+a[2]+a[3])/3;  
  for(int c1=2*c0+3; c1<N+2*c0-1; c1+=1) {  
    b[-2*c0+c1] = (a[-2*c0+c1-1] + a[-2*c0+c1]  
      a[-2*c0+c1+1])/3;  
    a[-2*c0+c1-1] = b[-2*c0+c1-1];  
  }  
  a[N-2] = b[N-2];  
}
```

code0.c

code1.c

code2.c



code0-v6.c

code1-v6.c

code2-v6.c

code2-v5.c

code2-v4.c

code2-v3.c

code2-v2.c

code2-v1.c

code2-v3.c

code2-v2.c

code2-v1.c

FullFuse()

FullShiftVar(2, 0)

PartialShiftVal(0, 1)

SetLoopOpt(0, 3)