Problema 2

```
c0        if ( X≥Y):
c1            skipt
c2            skipt
c3        else :
c4            if (W≥8):
c5                Z = U[0,10]
c6                W = 3
c7            else :
c8                skipt
c9                empty
```

$$ert[C_0 - C_9](0) = 1 + 2\cdot[X \geq Y] + [X < Y] + 2\cdot[X < Y]\cdot[W \geq 8] + [X < Y]\cdot[W < 8]$$

Escaneado con CamScanner

Cálculo c4-c9

1

```
c4      if( w≥8):
c5          z :≈ U[0,10]
c6          w = 3
c7      else:
c8          skipt
c9          empty
```

$$ert[[c4\text{-}c9]](0) =$$

$$= ert[[\text{if}(w\geq 8)\{\ldots\}\{\ldots\}]](0)$$

$$= 1 + [w\geq 8] \cdot ert[[z :\approx U_{[0,10]};\ w=3]](0) + [w<8] \cdot ert[[skipt; empty]](0)$$

Cálculos hechos en el problema 1 hoja 1.

$$= 1 + [w\geq 8] \cdot 2 + [w<8]$$

Escaneado con CamScanner

```
C0 if(X≥Y):
C1     skipt
C2     skipt
C3 else:
.      .
.      .
.      .
Cq
```

$$ert[[C_0 - C_q]](0) = ert[[\text{if}(X \geq Y)\{\cdots\}\{\cdots\}]](0)$$

$$= 1 + [X \geq Y] \cdot ert[[\text{skipt}; \text{skipt}]](0) + [\neg X \geq Y] \cdot ert[[C_4 - C_q]](0)$$

Cálculo hecho en el Problema 1 hoja 3.

$$= 1 + [X \geq Y] \cdot 2 + [X < Y] \cdot ert[[C_4 + C_q]](0)$$

$$= 1 + 2 \cdot [X \geq Y] + [X < Y] \cdot (1 + [W \geq 8] \cdot 2 + [W < 8])$$

$$= 1 + 2 \cdot [X \geq Y] + [X < Y] + [X < Y] \cdot [W \geq 8] \cdot 2 + [X < Y] \cdot [W < 8]$$

Escaneado con CamScanner