

S2

L1

S1

L0

Actual1

$$\phi \cdot (L_1(s \mid w) + (1 - \phi) \cdot V[L_1(s \mid w)])$$

$$L_0(s \mid w)$$

$$\llbracket w \rrbracket(s)$$

Actual2

$$\phi_2 \cdot (L_1(s \mid w) + (1 - \phi_2) \cdot V[L_1(s \mid w)])$$

$$\phi_1 \cdot (L_0(s \mid w) + (1 - \phi_1) \cdot V[L_0(s \mid w)])$$

same as above

Self1
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$$L_1(s, \phi_1 \mid w)$$

same as above

same as above

Self2

$$\phi_3 \cdot (L_1(s, \phi_1 \mid w) + (1 - \phi_3) \cdot V[L_1(s \mid w)])$$

same as above

same as above

Self3*

$$L_1(s \mid w)$$

same as above

same as above

Self4*

$$L_1(\phi_1 \mid w)$$

same as above

same as above