```
data SP (A B : Set) : Set where
  get : (A → SP A B) → SP A B
  put : B → ∞(SP A B) → SP A B

⟦_⟧ : SP A B → [A]^∞ → [B]^∞
⟦ get f ⟧ (a : as) = ⟦ f a ⟧ as
⟦ put b sp ⟧ as    = b : ⟦ b sp ⟧ as
```

```
# : A → ∞ A   suspend   b(# p) ≡ p
b : ∞ A → A   force
```

$$\text{data}\ D = F(\infty D)\ D \qquad {}^{\infty}\mathbb{D} = \mathbb{D}_{\perp}$$

$$F\ X^{\infty}\ X = (A \to X) + B \times X^{\infty}$$

$$D = \nu X\, \mu Y.\ F\ X\ Y$$

$$\mu X.\ \mu Y.\ F\ X\ Y \simeq \mu X.\ F\ X\ X$$

$$\nu 0\ \mu 2.\ 0 + 2 \qquad \mathrm{rec}\ 0\ \mathrm{rec}\ 2.\ 0_{\perp} + 2$$

$$\mu 2\ \underbrace{\nu 0.\ 0 + 2}_{0\ 2} \qquad \mathrm{rec}\ 2\ \mathrm{rec}\ 0.\ 0_{\perp} + 2$$

$$\text{data}\ 02 : \text{Set where} \qquad \mu X \nu Y.\ F\ X\ Y$$

$$0 : \infty\, 02 \to 02 \qquad \cong \mu X \mu \check{\imath}.\ (F\ X\ \check{\imath} + \nu \check{Y}.\ F\ \emptyset\ \check{Y})$$

$$2 : 02 \to 02$$

$$\text{data}\ 0\ (2 : \text{Set}) : \text{Set where}$$

$$0 : \infty(0\ 2) \to 0\ 2$$

$$2 : 2 \to 0\ 2$$

$$\text{data}\ 20 : \text{Set where}$$

$$\text{emb} : 0\ \ 20 \to 20$$