

Q5

Global Frame

$n \mid 9$

$\text{make_addr} \mapsto \text{func make_addr}(n) \text{ [parent = Global]}$

$\text{add_ten} \mapsto$

$f1: \text{make_addr} \text{ [parent = Global]}$

$n \mid 10$

Return value $\mapsto \text{func } \lambda(k) \text{ [parent = f1]}$

$f2: \lambda \text{ [parent = f1]}$

$k \mid 9$

Return value $\mid 19$

result $\mid 19$

Q6

Global Frame

$a \mapsto \text{func } \lambda(x) \text{ [parent = Global]}$

$b \mapsto \text{func } b(b, x) \text{ [parent = Global]}$

$x \mid 3$

$f1: b \text{ [parent = Global]}$

$b \mapsto$

$x \mid 3$

Return value $\mid 2$

$$x + a(x) = 3 + (3 \times 2 + 1) = 10$$

$$b(x + a(x)) = 10 \times 2 + 1 = 21$$