```
long max_of_three(long a, long b, long c) {
 long max = 0;
 if ((a > b) && (a > c)) {
 // a is larger than b and c
                                   Same
 max = a;
 }
                                                     a + b, a + c, b + c
                                 All diff.
 if ((b > a) && (b > c)) {
 // b is larger than a and c
                                2 Same, max.
 max = b:
                                                    (Q=b)= max
 }
 if ((c > a) && (c > b)) {
                                 PISC
 // c is larger than a and b
                                                    Boundary Case (=)
 max = c;
 }
 return max;
}
```

9.2

V(p)	V(q)	C(p)	C(q)	H(p,q)	Can?
Υ	Y	*	*	*	Y
Y	N	*	Y	Υ	Y
N	Y	Υ	*	Y	Y
N	N	Υ	Y	Y	Y

```
if (is_vaccinated(p) && is_vaccinated(q)) {
  return true;
}
// either p or q or both are not vaccinated
if (are_from_the_same_household(p,q))
  if (is_a_child(p) && lis_vaccinated(p) && is_vaccinated(q)) {
    return true;
}
if (is_a_child(q) && lis_vaccinated(q) && is_vaccinated(p)) {
    return true;
}
if (is_a_child(q) && is_a_child(p)) {
    return true;
}
return true;
}
return false;
```

```
10.1
      a) ! [(x>1) ll (y \neq 10)] b) ! (!eating ll drubing)
                           = \left[ \frac{1}{2} (X > 1) \right] | \left[ y = 10 \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ y = 10 \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ y = 10 \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
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= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
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= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \sin k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \cos k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \cos k \cos k \cos k \right] 
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= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \cos k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \cos k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \cos k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \cos k \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \cos k \right] 
= \left[ \frac{1}{2} (X > 1) \right] | \left[ \frac{1}{2} d \cos k \right] 
= \left[ \frac{1}{
                          = X \leq 1 \quad 11 \quad Y = 10
      C) [[has-cs2030 11 has-cs2113] && (has-cs2040c)]
              = ! (hag -Cs 2080 | hag -cs2|13) | (! hag -cs2040c)
                = (! has _ Cs 2030) & (! has _ Cs 2113)] | (! has _ Cs 2040c)
      10.2
                long score = 4;
                if (something) {
                    score = 10; - eiter
                } else {
                                                                                                                                                                                                           score E {0, 10}
                    score = 0; —
                }
                //{???}
                                                            never happers.
                   score += 10;
                                                                                                                                                           ____score \{ \{10, 20\}
                }
                //{???} =
                if (score >= 10) {
                   cs1010_println_string("ok"); \( \square\) \( \square\)
```