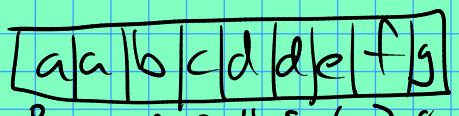

= s2

substr(s1, s2) = 5

= s1

(which indexes)

Where might a match start?

Say, s1.length() = l1

& s2.length() = l2.

Could be from 0, ..., l2-l1.

// Enumerate all possible starting points:

```
for (int i = 0; i <= l2-l1; i++) {
    if (/* match starting @ i */)
        return i;
}
return -1; // no match found.
```

(how?)

How to test for match starting @ i?

(Aside: kind of like prime test:
need to evaluate large boolean expr:

(n % 2 != 0) && (n % 3 != 0) && (n % 4 != 0) ...
&& (n % (n-1) != 0).

match @ i:

(s1[0] == s2[i]) && (s1[1] == s2[i+1])
... && (s1[l1-1] == s2[i+l1-1])