String manipulation: Note: ver- similar to the vector ... vector swing s.lensth() V. 5: {e() V. push_back(x) S += C 25:7 V[;] that reverses Exercise: write a function String s = "abc"; a string Eg. reverse (s); "Now s has "cba". void reverse (strings s); 0 1 2 3 4 5 6 6 → 6 1 → S 2 → 4 $i \rightarrow 6-i$ (severally, len-i-1) in words: repeatedly swap S[i] w/ S[length -i-1] Bondary! for (1=0; i < ; i+1) ? = \0\/2. void reverse (string& s) { for (int 1:0; (1 < 5.1 ength ()/2) itt) {

S[i] = S[s.length(1-i-1] S[s.length()-i-1] = temp; Exercise: Soring matching" Siven 2 strings SI, S2, determine if SI is a substring of S2. (E.g. SI = "bcd", SZ = "abcdet") (Note: 5tring class provides this-) 52=abcebcebcebcebcde Hish-level. bed idea: test all possible offsets" dar a natch. what are the possible offsets? [0 --- 52.lon - 51.len] int search (51, 52) for (int i= D; i<= 52, length - 51, length; ital) { / check for match string @ i. bool found = true; for (in+ j =0; j 2 st. length; j++) { Lound &= (SICi3 == SZ[i+i]);

Char temp = S[i];

if (found) return i;

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TODS: re-write above inner loop to stop

as soon as possible (stop at first

NON-match of

SI[i] w/ S2[i+j]