correctness of selection sort: \* Algorithm -> Rad the smallest element in the unsorted post of the array and swap it with the first element in the unsorted port of the orroy. 3 1-0 of 0-1 E 1= mum ? ?m Car 3= 3+1 €0 € it Courtis routhing 5 mi nimum = ? さもて いりゃからかいかう え Swep ( it elevant, no nimum elevant) 3 3. 4 correctness we ran the outer loop by 3) Initealization: assuming minder of for 120 to n-1 \$ smallest element & in sub orrey ? to n-1 is ot m? n? mom = ? inder i. maintaience: -. before the execution Gor 329+1 60 0 of inner esop. Curvilian > [1] all the elements se pre : ore minimum=3. sorted . The inner coop Swap (are [1], or [minimum] identifies the minimum element in the array sub array [ib of and woclotes . The algorithm sorts the pelanet of index ? which elanat ? Terminotion! The outer loop owns from oto not, at index minimum. and it iterates through other array. The algorithm terminates when the outer loop completes, There are no infinite lusps or conditions the prevent the algorithms.