Q1 He_2^3 and He_1^3 nuclei have the same mass number. Do they have the same binding energy?

Solution :- No, 2He3 and 1He3 nuclei have the same mass number, but the binding energy of 1He3 is greater than that of 2He3. This is primarily because 2He3 has 2p and 1n, whereas 1He3 has 1 proton and 2 n. The repulsive force between protons is missing in 1He3.