Integer to a Roman numeral To silve the problem of converting on integer to a Roman menural, you'll want to simulate the greedy strategy of repeatedly substracting the largest possible Roman value from num. They Trusight! Execte e lest of values and their Reman numeral equivalents, setted from largest to smallest, including The subtractive forms:

| Value: 1000 | 900 | 500 | 400 | 100 | 90 | 50 | 40 | 10 | 9 | 5 | 4 | 1 |
| Tymbol: M CH B CB C XC L XL X | IX V IV I [thotogy (Greedy Algaethn):/ 1. Hart with the largest Roman value. 2. While mun >= value, substract value from num and append its corresponding yould to the sexelt. 3. More to the next smaller Roman value. 4. Reseat until nun = =0. | Example: num = 1994:/ step-loy-step eving the talle: 1000 - substract once - "H" - num=994 · 900 → substrect once → CH" - wim = 94 · 90 → substicct once → "XC" → mem = 4 ·4 - substrect once - "IV" - num =0 final seet seit: "MCHX CIV" Tip: Philes approach avoids all complicated digit passing (units tensete).

You don't need to split num into decemal places - the tolle houdles it. [Table implementation: I thank building two assays: int values [] = {...}; string symbols []= \. 1,

