17-1/ CFPP (A) = 7 CFPP (A) ! = JpeN. (p= 2'111) YPEN. 3(S+A | 15/2 P) 4(seA | 1517p) ¥ (u, v, x, y, ≥ € 5x [] (u,v,x,y,z = Ex) Schuxyz A lvy170 S=4Uxyz 1 104170 × 1000k 1 lvxyl < P) Yien. Jien. uvixy'z &A yvixyizeA. TOPP(x) => ALL & CFL

 $17-2/q^{n}, ^{n}e^{n} = A$ given p S= apper given u, v, x, y, z apper -> vxy contains \$ => = & + 14170 -> vry contains => impossible -> vxy contains 3 => vxy = abpc 11 = p+2 -> vry contains 1 =7 assume it has 'a's i=0 => ap-k bp cp -> vxy contains 2 sym => ac => vxy = abocx ab or be vxy = akb; i=0=7 af b9 cp where fep or gep

$$ALL = p(\xi^*)$$

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$$A^n b^n c^n$$

$$O^n 1^n 0^n$$

$$O^n 1^n 0^n$$