sc_q403 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 1) A (Wa = 0))
sc_q403 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 1) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 1) A (Wa = 0))
sc_q995 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q427 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q203 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q203 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q435 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 1) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 1) A (Wa = 0))
sc_q435 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 1) A (Wa = 0))
sc_q235 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q235 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 1) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q171 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q171 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q207 ≡ ((A = 1) A (CA = 1) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q207 ≡ ((A = 1) A (CA = 1) A (D = 1) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q239 ≡ ((A = 1) A (CA = 1) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q239 ≡ ((A = 1) A (CA = 1) A (D = 1) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q451 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 1) A (Wa = 0))
sc_q451 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q483 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q483 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 1) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 1) A (Wa = 0))
sc_q403 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 1) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q435 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 1) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 1) A (Wa = 0))
sc_q216 ≡ ((A = 0) A (CA = 1) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q216 ≡ ((A = 0) A (CA = 1) A (D = 1) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q287 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q287 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 1) A (Wa = 0))
sc_q419 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 1) A (Wa = 0))
sc_q419 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q466 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 1) A (Wa = 0))
sc_q429 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 1) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q429 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 1) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q472 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q487 ≡ ((A = 1) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q487 ≡ ((A = 1) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 1))
sc_q487 ≡ ((A = 1) A (CA = 1) A (D = 10) A (E = 1) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q487 ≡ ((A = 1) A (CA = 1) A (D = 10) A (E = 1) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 1))
sc_q455 ≡ ((A = 1) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q409 ≡ ((A = 0) A (CA = 0) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q463 ≡ ((A = 1) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 1))
sc_q495 ≡ ((A = 1) A (CA = 1) A (D = 10) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q483 ≡ ((A = 0) A (CA = 1) A (D = 10) A (E = 1) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q281 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 1) A (P = 0) A (S = 1) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q275 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 1) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q403 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q403 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 1) A (Wa = 0))
sc_q275 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 1) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 1) A (Wa = 0))
sc_q275 ≡ ((A = 0) A (CA = 0) A (D = 1) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q253 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q253 ≡ ((A = 0) A (CA = 0) A (D = 1) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q472 ≡ ((A = 0) A (CA = 1) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 0))
sc_q139 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q139 ≡ ((A = 0) A (CA = 0) A (D = 1) A (E = 0) A (F = 0) A (M = 0) A (P = 0) A (S = 1) A (T = 1) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q91 ≡ ((A = 0) A (CA = 1) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 0))
sc_q95 ≡ ((A = 1) A (CA = 1) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 1) A (T = 0) A (I3x = 0) A (Vi) = 0) A (Wa = 1))
sc_q85 ≡ ((A = 0) A (CA = 0) A (D = 0) A (E = 0) A (F = 0) A (M = 0) A (P = 1) A (S = 0) A (T = 0) A (I3x = 1) A (Vi) = 0) A (Wa = 0))