Hstatic const struct des\_test\_case {

int num, mode; // mode 1 = encrypt

unsigned char key[8], txt[8], out[8];

} cases[] = {

{ 1, 1, { 10316E028C8F3B4A },

{ 0000000000000000 },

{ 82DCBAFBDEAB6602 } },

{ 2, 1, { 0101010101010101 },

{ 95F8A5E5DD31D900 },

{ 8000000000000000 } },

{ 3, 1, { 0101010101010101 },

{ DD7F121CA5015619 },

{ 4000000000000000 } },

{ 4, 1, { 0101010101010101 },

{ 2E8653104F3834EA },

{ 2000000000000000 } },

{ 5, 1, { 0101010101010101 },

{ 4BD388FF6CD81D4F },

{ 1000000000000000 } },

{ 6, 1, { 0101010101010101 },

{ 20B9E767B2FB1456 },

{ 0800000000000000 } },

{ 7, 1, { 0101010101010101 },

{ 55579380D77138EF },

{ 0400000000000000 } },

{ 8, 1, { 0101010101010101 },

{ 6CC5DEFAAF04512F },

{ 0200000000000000 } },

{ 9, 1, { 0101010101010101 },

{ 0D9F279BA5D87260 },

{ 0100000000000000 } },

{10, 1, { 0101010101010101 },

{ D9031B0271BD5A0A },

{ 0080000000000000 } },

{ 1, 0, { 10316E028C8F3B4A },

{ 82DCBAFBDEAB6602 },

{ 0000000000000000 } },

{ 2, 0, { 0101010101010101 },

{ 8000000000000000 },

{ 95F8A5E5DD31D900 } },

{ 3, 0, { 0101010101010101 },

{ 4000000000000000 },

{ DD7F121CA5015619 } },

{ 4, 0, { 0101010101010101 },

{ 2000000000000000 },

{ 2E8653104F3834EA } },

{ 5, 0, { 0101010101010101 },

{ 1000000000000000 },

{ 4BD388FF6CD81D4F } },

{ 6, 0, { 0101010101010101 },

{ 0800000000000000 },

{ 20B9E767B2FB1456 } },

{ 7, 0, { 0101010101010101 },

{ 0400000000000000 },

{ 55579380D77138EF } },

{ 8, 0, { 0101010101010101 },

{ 0200000000000000 },

{ 6CC5DEFAAF04512F } },

{ 9, 0, { 0101010101010101 },

{ 0100000000000000 },

{ 0D9F279BA5D87260 } },

{10, 0, { 0101010101010101 },

{ 0080000000000000 },

{ D9031B0271BD5A0A } }

}