

$$\theta = 0.8$$

Signature scheme 1: A

Table S:

Table T:

S1: ABCD

T1: AGKM

S2: ADFG

T2: ALMN

Signature scheme 2:

S1: AB T1: AG

S2: AD T2: AL

Assume that ABCD:1 and AGK: 1.1

New signature scheme 1:

S1: A, 1 T1: A, 1.1

S2: A T2: A

New signature scheme 2:

S1: AB, 1 T1: AG, 1.1

S2: AD T2: AL