

$$3) F_x(x) = \frac{1 - \cos x}{2} = u \rightarrow 1 - 2u = \cos x$$

$$x = \arccos(1 - 2u)$$

$u_i$	$(1 - 2u_i)$	$\arccos(1 - 2u_i)$
0.1327	0.7346	$42.73^\circ = 0.7457$
0.7039	-0.4078	$114.07^\circ = 1.9908$
0.9795	-0.9590	$163.54^\circ = 2.8542$
0.6221	-0.2442	$104.13^\circ = 1.8175$
0.8792	-0.7584	$139.32^\circ = 2.4315$
0.2928	0.4144	$65.52^\circ = 1.1435$
0.9504	-0.9008	$154.26^\circ = 2.6925$
0.1167	0.7666	$39.95^\circ = 0.6972$