IMPHAL, WEDNESDAY, APRIL 26, 2023 \bAKspK, skmlExg 6 eg wkEq, akmg\k sbAKgi 3421
ꯄꯥꯎꯆꯦ ꯑꯁꯤꯗ ꯐꯣꯡꯖꯔꯤꯕ ꯋꯥꯔꯦꯡꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜ, ꯃꯤꯠꯌꯦꯡ ꯑꯏꯕ ꯃꯁꯥ ꯃꯁꯥꯒꯤꯅꯤ꯫ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜꯂꯣꯟ ꯑꯃꯁꯨꯡ ꯃꯤꯠꯌꯦꯡꯒ ꯊꯣꯏꯗꯣꯛꯅ ꯃꯔꯤ ꯂꯩꯅꯗꯦ꯫

obT\lE mkEwkB 2 HUEIYEN LANPAO

ꯈꯣꯔꯤꯔꯣꯜꯒꯤ ꯑꯈꯟꯅꯕ ꯂꯃꯥꯏ
ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ
ꯌꯨꯝꯁꯀꯩꯁ, ꯑꯦꯄ꯭ꯔꯤꯜ 26, 2023, ꯏꯝꯐꯥꯜ
15 ꯁꯨꯕ ꯆꯍꯤ, 10 ꯁꯨꯕ ꯃꯁꯤꯡ
ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯋꯥꯡꯕ ꯀꯠꯊꯣꯛꯄ
ꯉꯁꯤꯒꯤ ꯃꯤꯔꯣꯜꯅ ꯃꯇꯧ ꯇꯝꯒꯗꯕꯅꯤ
ꯑꯗꯨꯉꯩ ꯀꯨꯝꯖꯥ 1891 ꯒꯤ ꯑꯦꯄ꯭ꯔꯤꯜꯗ ꯃꯅꯤꯄꯨꯔꯒ ꯕ꯭ꯔꯤꯇꯤꯁꯀ
ꯁꯣꯛꯅꯈꯤꯕ ꯑꯀꯟꯕ ꯂꯥꯟꯒꯤ ꯃꯅꯨꯡꯗꯒꯤ ꯑꯦꯄ꯭ꯔꯤꯜ 23 ꯗ ꯈꯣꯡꯖꯣꯝꯒꯤ
ꯈꯦꯕꯆꯤꯡꯒꯤ ꯅꯥꯄꯣꯝꯗ ꯁꯣꯛꯅꯈꯤꯕ ꯂꯥꯟꯒꯤ ꯅꯨꯃꯤꯠ ꯂꯧꯔꯒ ꯂꯩꯕꯥꯛ ꯑꯅꯤꯒꯤ
ꯃꯔꯛꯇ ꯁꯣꯛꯅꯈꯤꯕ ꯂꯥꯟꯗꯨꯒꯤ ꯅꯤꯡꯁꯤꯡ ꯊꯧꯔꯝ ꯍꯧꯈꯤꯕ ꯑꯦꯄ꯭ꯔꯤꯜ 23,
2023 ꯗ ꯄꯥꯡꯊꯣꯛꯈ꯭ꯔꯦ꯫ ꯊꯧꯔꯝꯁꯤ ꯆꯍꯤ ꯈꯔꯒꯤ ꯃꯃꯥꯡꯗꯒꯤ ꯄꯥꯡꯊꯣꯛꯇꯨꯅ
ꯂꯥꯛꯈꯤꯕꯗꯒꯤ ꯃꯅꯤꯄꯨꯔ ꯒꯚꯔꯟꯃꯦꯟꯠꯅ ꯁꯤꯟꯗꯨꯅ ꯁ꯭ꯇꯦꯠꯀꯤ ꯊꯥꯛꯇ
ꯐꯥꯎꯕ ꯄꯥꯡꯊꯣꯔꯛꯂꯦ꯫ ꯅꯨꯃꯤꯠꯁꯤꯒꯤ ꯊꯧꯔꯝꯁꯤ ꯀꯛꯆꯤꯡꯒꯤ ꯃꯆꯤꯜ-ꯃꯅꯥꯎ
ꯆꯤꯡꯒꯤ ꯈꯨꯚꯝꯗꯁꯨ ꯄꯥꯡꯊꯣꯛꯄꯒ ꯂꯣꯏꯅꯅ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯃꯐꯝ ꯑꯇꯩꯗꯁꯨ
ꯄꯥꯡꯊꯣꯛꯂꯤ꯫ ꯁ꯭ꯇꯦꯠꯁꯤꯗꯇ ꯅꯠꯇꯅ ꯃꯤꯇꯩ ꯇꯥꯕ ꯃꯐꯝꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗꯒꯤ
ꯇ꯭ꯔꯤꯄꯨꯔꯥ ꯑꯃꯁꯨꯡ ꯑꯁꯥꯝꯗ ꯐꯥꯎꯕ ꯄꯥꯡꯊꯣꯛꯅꯈꯤ꯫ ꯅꯨꯃꯤꯠꯁꯤꯒꯤ ꯊꯧꯔꯝ
ꯂꯩꯉꯥꯛꯅ ꯁꯤꯟꯗꯨꯅ ꯁ꯭ꯇꯦꯠꯀꯤ ꯊꯥꯛꯇ ꯄꯥꯡꯊꯣꯛꯄꯗꯒꯤ ꯍꯦꯟꯗꯣꯛꯇꯨꯅ
ꯃꯤꯇꯩ ꯇꯥꯕ ꯃꯐꯝꯁꯤꯡꯗꯁꯨ ꯄꯥꯡꯊꯣꯛꯅꯈꯤꯕꯒꯤ ꯃꯔꯝꯁꯨ ꯑꯣꯟꯊꯣꯛꯅ ꯌ
kASDjl꯫ ꯑꯗꯨꯕꯨ ꯃꯔꯝ ꯃꯌꯥꯝꯗꯨꯒꯤ ꯃꯅꯨꯡꯗ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯃꯔꯨ ꯑꯣꯏꯕ ꯃꯔꯝꯗꯤ ꯂꯥꯏꯑꯣꯏꯈ꯭ꯔꯕ ꯏꯄꯥ-ꯏꯄꯨꯁꯤꯡꯗꯨꯅ ꯂꯥꯟꯗꯨꯗ ꯊꯋꯥꯏꯅ ꯄꯣꯟꯊꯥ
ꯄꯤꯈꯤꯕꯗꯨꯅꯤ꯫ ꯃꯤꯒꯤ ꯃꯤꯈꯥ ꯄꯣꯟꯒꯗꯕꯒꯤ ꯃꯍꯨꯠꯇ ꯃꯔꯩꯕꯥꯛꯀꯤ ꯅꯤꯡꯇꯝꯕ
ꯉꯥꯛꯅꯕꯒꯤ ꯂꯥꯟ ꯁꯣꯛꯅꯔꯝꯒꯅꯤ꯫ ꯂꯥꯟꯗꯨꯗ ꯃꯥꯏꯊꯤꯔꯒꯅꯤ ꯈꯪꯂꯕ ꯐꯥꯎꯕꯗ
ꯃꯥꯏ ꯂꯩꯗꯨꯅ ꯆꯦꯜꯂꯛꯂꯣꯏ꯫ ꯍꯤꯡꯂꯤꯕ ꯃꯤꯀꯨꯞ ꯐꯥꯎꯕꯗ ꯂꯥꯟꯊꯦꯡꯅꯗꯨꯅ ꯊꯋꯥꯏ
ꯐꯥꯎꯕ ꯊꯥꯗꯣꯛꯀꯅꯤ ꯍꯥꯏꯕꯗꯨꯅꯤ꯫ ꯃꯁꯤꯃꯛꯅ ꯂꯝꯖꯤꯡ ꯑꯣꯏꯗꯨꯅ ꯕ꯭ꯔꯤꯇꯤꯁ
ꯂꯥꯟꯃꯤꯁꯤꯡꯒ ꯂꯥꯟ ꯁꯣꯛꯅꯈꯤꯕꯅꯤ꯫ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯅꯤꯡꯇꯝꯕꯒꯤꯗꯃꯛ
ꯊꯋꯥꯏ ꯊꯥꯗꯣꯛꯂꯝꯈꯤꯕꯅꯤ꯫ ꯃꯁꯤꯒꯤ ꯃꯃꯜ ꯌꯥꯝꯕ ꯑꯃꯁꯨꯡ ꯊꯥꯛ ꯋꯥꯡꯕ
ꯀꯠꯊꯣꯛꯄ ꯑꯃꯃꯨꯛ ꯂꯩꯇ꯭ꯔꯕꯅꯤ꯫ ꯃꯔꯝꯗꯤ ꯏꯄꯥ-ꯏꯄꯨꯁꯤꯡ ꯑꯗꯨꯅ
ꯀꯠꯊꯣꯛꯈ꯭ꯔꯤꯕꯗꯨ ꯃꯈꯣꯏꯒꯤ ꯃꯃꯜ ꯌꯥꯝꯂꯕ ꯊꯋꯥꯏꯁꯤꯡ ꯑꯗꯨꯇ ꯅꯠꯇꯅ ꯊꯋ
kTrbKb ꯃꯃꯥ ꯂꯩꯕꯥꯛ ꯃꯔꯝꯗꯝꯒꯤꯗꯃꯛ ꯀꯠꯊꯣꯛꯂꯝꯕꯅꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅꯁꯨ ꯅꯨꯃꯤꯠꯁꯤꯒꯤ ꯊꯧꯔꯝ ꯂꯦꯞꯇꯅ ꯄꯥꯡꯊꯣꯔꯛꯂꯤꯕꯅꯤ꯫ ꯃꯈꯣꯏꯒꯤ ꯃꯐꯝꯗ
ꯍꯩꯀꯠ-ꯂꯩꯀꯠ ꯇꯝꯕꯒ ꯂꯣꯏꯅꯅ ꯈꯣꯡꯖꯣꯝ ꯇꯨꯔꯦꯜꯗ ꯍꯩꯊꯥ-ꯂꯩꯊꯥꯔꯤꯕꯅꯤ꯫
ꯃꯤꯅꯤꯠ 2 ꯇꯨꯃꯤꯟꯅ ꯂꯦꯞꯇꯨꯅ ꯏꯀꯥꯏꯈꯨꯝꯅꯕ ꯎꯠꯂꯤꯕꯅꯤ꯫ ꯖꯦꯅꯔꯦꯜ ꯁꯦꯂ꯭ꯌ
bG ꯄꯤꯔꯤꯕꯅꯤ꯫ ꯂꯥꯁꯠ ꯄꯣꯁꯠ ꯈꯣꯡꯂꯤꯕꯅꯤ꯫
ꯃꯁꯤ ꯑꯣꯏꯔꯒꯗꯤ ꯍꯧꯖꯤꯛ ꯉꯁꯤꯒꯤ ꯃꯤꯔꯣꯜꯅ ꯀꯩꯗꯧꯕ ꯇꯥꯕꯒꯦ?

ꯊꯧꯅ ꯐꯕꯁꯤꯡꯗꯨ ꯂꯩꯈꯤꯗꯕꯒꯤ ꯅꯨꯃꯤꯠ ꯅꯤꯡꯁꯤꯡꯕ, ꯃꯈꯣꯏꯒꯤ ꯃꯊꯧꯅ
ꯃꯔꯤꯡꯖꯦꯜ ꯁꯛ-ꯁꯣꯟꯕ ꯑꯃꯁꯨꯡ ꯃꯈꯣꯏꯒꯤ ꯈꯨꯚꯝꯗ ꯂꯩ-ꯁꯨ ꯀꯠꯄ
ꯈꯛꯇꯅ ꯃꯈꯣꯏꯒꯤ ꯆꯥꯗ-ꯅꯥꯎꯗ ꯑꯣꯏꯔꯤꯕ ꯉꯁꯤꯒꯤ ꯃꯤꯔꯣꯜꯁꯤꯒꯤ ꯇꯧꯐꯝ
ꯊꯣꯛꯄ ꯏꯊꯧꯗꯥꯡꯁꯤꯡ ꯑꯣꯏꯔꯒꯗ꯭ꯔ ꯍꯥꯏꯕꯅꯤ꯫ ꯋꯥꯍꯪꯁꯤꯒꯤ ꯄꯥꯎꯈꯨꯝꯗꯗꯤ
ꯅꯨꯃꯤꯠꯁꯤꯒꯤ ꯊꯧꯔꯝꯁꯤ ꯄꯥꯡꯊꯣꯛꯇꯨꯅ ꯇꯧꯔꯤꯕ ꯈꯔꯁꯤꯅ ꯑꯣꯏꯔꯣꯏ꯫
ꯃꯄꯨꯡ ꯐꯥꯕ ꯅꯨꯡꯒꯤ ꯋꯥꯍꯟꯊꯣꯛ ꯑꯣꯏꯔꯣꯏ ꯍꯥꯏꯕꯅꯤ꯫ ꯏꯄꯥ-ꯏꯄꯨꯁꯤꯡꯅ
ꯃꯔꯝꯒꯤꯗꯃꯛ ꯃꯥꯏ ꯂꯩꯗꯨꯅ ꯆꯦꯟꯗꯅ ꯊꯋꯥꯏꯅ ꯄꯣꯟꯊꯥ ꯄꯤꯕ ꯉꯝꯈ꯭ꯔꯤꯕ
ꯏꯗꯨ ꯃꯤꯔꯣꯜꯁꯤꯗꯁꯨ ꯁꯣꯏꯗꯅ ꯆꯦꯟꯒꯗꯕꯅꯤ꯫ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯌꯦꯜꯍꯧ ꯐꯨꯔꯨꯞꯁꯤꯡ ꯅꯨꯡꯁꯤ-ꯆꯥꯟꯅꯅ ꯑꯃꯠꯇ ꯑꯣꯏꯅ ꯍꯤꯡꯃꯤꯟꯅꯅꯕ ꯃꯊꯧ ꯇꯥꯕ
ꯄꯥꯏꯈꯠꯐꯝ ꯊꯣꯛꯄ ꯊꯕꯛꯁꯤꯡ ꯄꯥꯏꯈꯠꯀꯗꯕꯅꯤ꯫ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯉꯝꯈꯩ ꯏꯟꯆꯤ ꯑꯃ ꯐꯥꯎꯕ ꯃꯥꯡꯍꯟꯗꯅꯕ ꯍꯣꯠꯅꯒꯗꯕꯅꯤ꯫ ꯅꯥꯔꯣꯟꯗ ꯃꯄꯥꯟꯗꯒꯤ
ꯆꯪꯂꯛꯄꯁꯤꯡꯅ ꯌꯦꯜꯍꯧꯃꯤ ꯃꯔꯛꯇ ꯌꯦꯞꯁꯤꯜꯂꯛꯇꯨꯅ ꯃꯔꯤꯡ-
ꯃꯔꯥꯡꯍꯟꯅꯕ ꯊꯕꯛꯁꯤꯡ ꯆꯠꯊꯔꯛꯄ ꯊꯤꯡꯒꯗꯕꯅꯤ꯫ ꯃꯤꯇꯣꯞ ꯃꯤꯌ

kEvkKgi ꯃꯁꯛ ꯈꯪꯗꯣꯛꯀꯗꯕꯅꯤ꯫ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯃꯍꯧꯁꯥꯒꯤ ꯁꯛꯇꯝ, ꯑꯏꯪ-ꯑꯁꯥꯒꯤ ꯈꯜ ꯀꯥꯏꯍꯟꯗꯅ ꯊꯝꯅꯅꯕ ꯍꯣꯠꯅꯒꯗꯕꯅꯤ꯫ ꯌꯦꯜꯍꯧꯃꯤꯁꯤꯡ
ꯂꯩꯕꯥꯛꯁꯤꯗ ꯆꯠꯅꯔꯤꯕ ꯀꯟꯁꯇꯤꯇ꯭ꯌꯨꯁꯟꯒꯤ ꯐꯤꯕꯥꯟꯅꯨꯡꯗ ꯃꯁꯤꯒꯤ ꯉꯥꯛꯂꯧ ꯐꯪꯅꯅꯕ ꯑꯉꯝꯕ ꯄꯥꯝꯕꯩ ꯄꯨꯊꯣꯛꯇꯨꯅ ꯍꯣꯠꯅꯒꯗꯕꯅꯤ꯫ ꯍꯥꯏꯔꯤꯕꯁꯤꯡ ꯑꯁꯤ
ꯌꯥꯎꯅ ꯍꯦꯟꯅ ꯂꯨꯕ ꯂꯩꯕꯥꯛꯀꯤ ꯑꯣꯏꯕ ꯊꯕꯛ ꯂꯥꯛꯄꯗ ꯇꯉꯥꯏ ꯐꯔꯛꯇ꯭ꯔꯕꯗꯤ
ꯊꯋꯥꯏ ꯐꯥꯎꯕ ꯊꯥꯗꯣꯛꯇꯨꯅ ꯃꯊꯧꯅ-ꯃꯔꯤꯡꯖꯦꯜ ꯐꯕ ꯑꯊꯧꯕꯁꯤꯡꯗꯨꯒꯤ ꯃꯇꯨꯡ
ꯏꯟꯒꯗꯕꯅꯤ꯫ ꯃꯁꯤ ꯅꯠꯇ꯭ꯔꯕꯗꯤ ꯊꯧꯅ ꯐꯕ ꯑꯊꯧꯕ ꯀꯌꯥꯅ ꯊꯋꯥꯏ ꯐꯥꯎꯕ
ꯄꯥꯝꯃꯨꯗꯅ ꯀꯠꯊꯣꯛꯂꯒ ꯉꯥꯛꯅꯅꯕ ꯍꯣꯠꯅꯔꯝꯕ ꯃꯅꯤꯄꯨꯔ ꯑꯁꯤꯕꯨ
ꯆꯤꯡ, ꯄꯥꯠ, ꯇꯨꯔꯦꯜ ꯄꯨꯝꯅꯃꯛ ꯃꯥꯡꯈꯤꯗꯨꯅ ꯂꯩꯀꯪꯂꯥ ꯑꯣꯏꯍꯜꯂꯛꯅꯕꯔ
ꯅꯠꯇ꯭ꯔꯒ ꯁꯥꯌꯦꯟ-ꯉꯥꯌꯦꯟꯗ ꯃꯆꯦꯠ-ꯃꯁꯨꯡ ꯀꯌꯥ ꯊꯣꯛꯅ ꯀꯥꯏꯅꯅꯕꯔ
ꯍꯥꯏꯕꯒꯤ ꯋꯥꯍꯪꯁꯤ ꯍꯪꯅꯔꯛꯄ ꯍꯧꯔꯛꯂꯕꯅꯤ ꯍꯥꯏꯕꯁꯤ ꯃꯇꯝ ꯆꯨꯞꯄꯗ
ꯀꯥꯎꯊꯣꯛꯂꯣꯏꯗꯕꯅꯤ꯫

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ ꯂꯤꯇꯔꯦꯔꯤ ꯀ꯭ꯋꯤꯖ-64
1) ‘‘ꯁꯖꯤꯐꯨ ꯆꯩꯔꯥꯎꯕ ꯁꯤꯡꯁꯠꯄꯒꯤ ꯃꯑꯣꯡ’’ ꯀꯧꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯅꯥꯅ
ꯏꯊꯣꯛꯂꯒ ꯄꯨꯊꯣꯔꯛꯄꯅꯣ?
2) ‘‘ꯊꯥꯖꯃꯥꯟꯕꯤ’’ ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ ꯑꯃꯁꯨꯡ
ꯃꯁꯤꯒꯤ ꯑꯏꯕꯅ ꯀꯅꯥꯅꯣ?

3) ‘‘ꯁꯥꯍꯦꯕꯀꯤ ꯊꯧꯖꯥꯜ’’ ꯃꯃꯤꯡ ꯊꯣꯟꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤꯒꯤ ꯑꯏꯕ ꯀꯅꯥꯅꯣ ꯑꯃꯗꯤ
ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ?

4) ‘‘ꯄ꯭ꯔꯤꯊꯤꯕꯤꯁꯦ=/ꯐꯨꯒꯥꯏꯅ ꯁꯥꯠꯀꯥꯏꯔꯕ/ꯂꯩ ꯑꯃꯅꯤ ꯅꯤꯡꯊꯤꯈ꯭ꯔꯕ/ꯏꯁ꯭ꯋꯔꯒꯤ
ꯈꯨꯕꯥꯛꯇ ꯍꯧꯕ꯫’’ ꯁꯩꯔꯦꯡ ꯃꯆꯥ ꯑꯁꯤ ꯁꯛꯅꯥꯏꯔꯕ ꯀꯕꯤ ꯑꯃꯒꯤ ꯁꯩꯔꯦꯡ
ꯂꯥꯏꯔꯤꯛ ꯑꯃꯗꯒꯤ ꯂꯧꯊꯣꯔꯛꯄꯅꯤ꯫ ꯀꯕꯤ ꯑꯁꯤ ꯀꯅꯥꯅꯣ ꯑꯃꯗꯤ ꯃꯍꯥꯛꯀꯤ
ꯀꯔꯤ ꯃꯃꯤꯡ ꯊꯣꯟꯕ ꯂꯥꯏꯔꯤꯛꯇꯒꯤ ꯂꯧꯊꯣꯔꯛꯄ ꯀꯔꯝꯕ ꯁꯩꯔꯦꯡꯅꯣ?

5) ‘‘ꯌꯨꯝꯊꯛꯇ ꯋꯥꯍꯣꯡ’’ ꯃꯃꯤꯡ ꯊꯣꯟꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯑꯣꯔꯤꯖꯤꯅꯦꯜ ꯃꯃꯤꯡ
ꯀꯔꯤ ꯀꯧꯕ, ꯑꯏꯕ ꯀꯅꯥꯒꯤ ꯂꯥꯏꯔꯤꯛꯇꯒꯤ ꯃꯅꯤꯄꯨꯔꯤꯗ ꯀꯅꯥꯅ
ꯍꯟꯗꯣꯛꯄꯅꯣ?

ꯃꯊꯛꯇ ꯄꯤꯔꯤꯕ ꯋꯥꯍꯪꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯄꯥꯎꯈꯨꯝ ꯑꯄ꯭ꯔꯤꯜ 30, eOiakTcgi
ꯅꯨꯃꯤꯠꯀꯤ ꯑꯌꯨꯡ ꯄꯨꯡ 11 ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯑꯣꯐꯤꯁꯇ ꯅꯠꯇ꯭ꯔꯒ
I-meL hueiyenliteraryquiz@gmail.com sid meL AoIn
ꯊꯥꯕꯤꯔꯛꯄ ꯌꯥꯒꯅꯤ꯫ ꯄꯥꯎꯈꯨꯝ ꯄꯤꯕꯤꯔꯛꯄ/ꯊꯥꯕꯤꯔꯛꯄ ꯃꯇꯝꯗ ꯃꯤꯡ, ꯂꯩꯐꯝ,
ꯃꯍꯩꯒꯤ ꯊꯥꯛ ꯑꯃꯁꯨꯡ ꯀꯟꯇꯦꯛꯠ ꯅꯝꯕꯔ ꯃꯌꯦꯛ ꯁꯦꯡꯅ ꯏꯕꯤꯔꯛꯎ꯫
ꯋꯥꯍꯪ ꯈꯨꯗꯤꯡꯃꯛꯀꯤ ꯄꯥꯎꯈꯨꯝ ꯆꯨꯝꯅ ꯅꯠꯇ꯭ꯔꯒ ꯃꯁꯤꯡ ꯌꯥꯝꯅ ꯆꯨꯝꯅ
ꯄꯤꯕꯤꯔꯛꯄ ꯃꯤꯑꯣꯏꯁꯤꯡ ꯑꯗꯨꯗꯒꯤ ꯗ꯭ꯔꯣ ꯑꯣꯠꯆꯔꯒ ꯂꯥꯏꯕꯛ ꯐꯕ ꯃꯤꯁꯛ
ꯑꯃ ꯈꯟꯖꯒꯅꯤ꯫ ꯂꯣꯏꯅꯅ ꯈꯜꯂꯕ ꯃꯤꯁꯛ ꯑꯗꯨꯗ ꯃꯅꯥ ꯄꯤꯖꯒꯅꯤ꯫

ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯗ ꯀꯨꯆꯨ ꯃꯨꯕ ꯁꯥꯟꯅꯔꯣꯏꯒ ꯑꯉꯧꯕꯒ ꯈꯦꯟꯅꯕ
ꯁꯥꯎꯊ ꯑꯐ꯭ꯔꯤꯀꯥ ꯍꯥꯏꯅ ꯈꯪꯅꯔꯤꯕ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥ
ꯂꯩꯕꯥꯛ ꯑꯁꯤ ꯕ꯭ꯔꯤꯇꯤꯁꯀꯤ ꯃꯈꯥ ꯄꯣꯟꯕ ꯂꯩꯕꯥꯛ ꯑꯃ
ꯑꯣꯏꯔꯝꯃꯤ꯫ ꯂꯩꯕꯥꯛ ꯑꯁꯤ ꯃꯅꯤꯡꯇꯝꯕ ꯐꯪꯂꯕ ꯃꯇꯨꯡꯗꯁꯨ ꯂꯩꯕꯥꯛ ꯑꯁꯤꯗ ꯁꯤꯇꯤꯖꯟ ꯑꯣꯏꯅ ꯂꯩꯍꯧꯔꯤꯕ ꯑꯉꯧꯕ ꯀꯨꯆꯨꯒꯤ ꯀꯥꯡꯂꯨꯞꯅ ꯑꯃꯨꯕ ꯀꯥꯡꯂꯨꯞꯁꯤꯡꯒꯤ ꯃꯊꯛꯇ ꯑꯥꯏꯟ ꯀꯌꯥ ꯁꯦꯝꯗꯨꯅ ꯑꯃꯨꯕꯁꯤꯡ ꯑꯗꯨꯗ ꯑꯊꯤꯡꯕ ꯀꯌꯥꯃꯨꯛ ꯊꯝꯈꯤ ꯃꯗꯨꯕꯨ APARTHEID ꯍꯥꯏꯅ ꯈꯪꯅꯩ꯫ ꯌꯨꯔꯣꯞ ꯃꯆꯥꯁꯤꯡꯅꯆꯤꯡꯕ ꯑꯉꯧꯕꯁꯤꯡꯒꯤ ꯁ꯭ꯀꯨꯜ ꯑꯃꯁꯨꯡ ꯀꯣꯂꯦꯖꯁꯤꯡꯗ ꯑꯃꯨꯕ ꯑꯉꯥꯡꯁꯤꯡ ꯂꯥꯏꯔꯤꯛ ꯇꯝꯕ ꯌꯥꯗꯦ, ꯁꯥꯟꯅꯕꯨꯡ ꯈꯨꯗꯤꯡꯒꯤꯁꯨ ꯑꯉꯧꯕꯒꯤ ꯇꯣꯉꯥꯟꯕ, ꯑꯃꯨꯕꯒꯤ ꯇꯣꯉꯥꯟꯕ ꯁꯥꯟꯅꯕꯨꯡ ꯂꯩ꯫ ꯃꯅꯤꯡ ꯇꯝꯕ ꯂꯩꯕꯥꯛ ꯑꯃꯗ ꯑꯁꯨꯝꯅ ꯇꯧꯕ ꯑꯁꯤ ꯃꯥꯂꯦꯝꯗ ꯂꯩꯔꯤꯕ ꯂꯩꯕꯥꯛꯁꯤꯡꯅ ꯌꯥꯅꯤꯡꯗꯦ꯫ ꯃꯔꯝ ꯑꯗꯨꯅ ꯂꯩꯕꯥꯛ ꯈꯔꯗꯤ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯒ ꯃꯔꯤ ꯂꯩꯅꯗꯦ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯃꯑꯣꯡ ꯑꯁꯤꯅ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥ ꯑꯁꯤ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯒꯦꯝꯁꯇ ꯁꯔꯨꯛ ꯌꯥꯍꯟꯈꯤꯗꯦ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯃꯥꯂꯦꯝꯒꯤ ꯂꯩꯕꯥꯛꯁꯤꯡꯅ ꯃꯇꯝ ꯑꯗꯨꯒꯤ ꯃꯃꯤꯡ ꯂꯩꯔꯕ ꯁꯥꯟꯅꯔꯣꯏꯁꯤꯡ ꯏꯪꯂꯦꯟꯗꯒꯤ ꯁꯦꯕꯦꯁꯇꯥꯟ ꯀꯣ-ꯃꯥꯏꯜ ꯑꯃꯒꯤ ꯂꯝꯖꯦꯜ, ꯃꯤꯇꯔ 800 ꯑꯃꯁꯨꯡ ꯃꯤꯇꯔ 1500ꯒꯤ ꯋꯥꯔꯜꯗ ꯔꯦꯀꯣꯔꯗ ꯄꯥꯏꯔꯤꯕ, ꯏꯟꯗꯤꯌꯥꯒꯤ ꯀ꯭ꯔꯤꯀꯦꯇꯔ ꯁꯨꯅꯤꯜ ꯒꯕꯥꯁꯀꯔ, ꯏꯪꯂꯦꯟꯗꯒꯤ ꯀ꯭ꯔꯤꯀꯦꯇꯔ ꯗꯦꯚꯤꯗ ꯒꯣꯋꯔ ꯑꯃꯗꯤ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯑꯃꯁꯨꯡ ꯋꯥꯔꯜꯗ ꯆꯦꯝꯄꯤꯌꯟ ꯑꯣꯏꯔꯤꯕ ꯂꯝꯖꯦꯜ ꯃꯇꯦꯛ ꯆꯦꯟꯕ ꯀꯥꯔꯜ ꯂꯨꯏꯁꯅꯆꯤꯡꯕꯕꯨ ꯍꯤꯔꯝ ꯑꯁꯤꯒꯤ ꯃꯔꯝꯗ ꯋꯥ ꯉꯥꯡꯍꯟꯗꯨꯅ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯒꯤ ꯊꯧꯔꯥꯡ ꯑꯁꯤ ꯐꯠꯇꯕꯅꯤ ꯍꯥꯏꯅ ꯃꯤꯄꯨꯝ ꯈꯨꯗꯤꯡ ꯈꯪꯍꯟꯒꯗꯕꯅꯤ ꯍꯥꯏꯅꯔꯛꯈꯤ꯫ ꯃꯔꯝꯗꯤ ꯁ꯭ꯄꯣꯔꯠꯁꯅ ꯑꯁꯤꯒꯨꯝꯕ APARTHEID ꯀꯤ ꯆꯠꯅꯕꯤ ꯑꯁꯤ ꯃꯨꯠꯊꯠꯄ ꯉꯝꯒꯅꯤ꯫ ꯍꯤꯔꯝ ꯑꯁꯤꯒꯤ ꯃꯔꯝꯗ ꯌꯨꯅꯦꯁꯀꯣꯒꯤ ꯚꯥꯕꯛꯇ ꯏꯟꯗꯤꯌꯥꯒꯤ ꯇꯦꯅꯤꯁ ꯁꯥꯟꯅꯕ ꯚꯤꯖꯩ ꯑꯃ꯭ꯔꯤꯠꯔꯥꯖ (Vijay Amritraj) ꯗ ꯆꯤꯊꯤ ꯑꯃ ꯄꯤꯔꯛꯂꯝꯃꯤ꯫ ꯃꯁꯤꯒꯤ ꯃꯔꯝꯗꯤ ꯃꯇꯝ ꯑꯗꯨꯗ ꯑꯃꯦꯔꯤꯀꯥ (ꯌꯨ ꯑꯦꯁ ꯑꯦ)ꯗ ꯗ꯭ꯔꯒ ꯁꯤꯖꯤꯟꯅꯕꯒꯤ ꯆꯠꯅꯕꯤ ꯑꯁꯤꯒꯤ ꯆꯥꯡ ꯌꯥꯝꯅ ꯋꯥꯡꯂꯝꯃꯤ꯫ ꯃꯈꯣꯏꯅ ꯑꯁꯨꯝꯅ ꯈꯟꯅꯔꯝꯃꯤ ꯃꯗꯨꯗꯤ ꯀꯥꯔꯜ ꯂꯨꯏꯁꯅ ꯍꯥꯎꯁꯇꯟ ꯁꯍꯔꯒꯤ ꯀꯨꯆꯨ ꯃꯨꯕ ꯂꯩꯐꯝꯁꯤꯡꯗ ꯆꯠꯂꯕꯗꯤ ꯍꯤꯔꯣꯏꯟ ꯆꯥꯗꯨꯅ ꯑꯉꯥꯡꯁꯤꯡ ꯌꯥꯝꯅ ꯁꯤꯔꯤꯕ ꯑꯗꯨ ꯍꯤꯔꯣꯏꯟ ꯊꯥꯗꯣꯛꯅꯕ ꯇꯧꯒꯗꯕꯅꯤ ꯍꯥꯏꯕ ꯄꯥꯎꯇꯥꯛ ꯄꯤꯕꯤꯔꯕꯗꯤ ꯃꯈꯣꯏꯅ ꯋꯥꯈꯜ ꯈꯟꯊꯗꯨꯅ ꯗ꯭ꯔꯒ ꯆꯥꯕ ꯇꯣꯛꯈꯤꯒꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯗ꯭ꯔꯒ ꯆꯥꯕꯒꯤ ꯄ꯭ꯔꯣꯕ꯭ꯂꯦꯝ ꯑꯁꯤ ꯑꯁꯨꯛꯀꯤ ꯃꯇꯤꯛ ꯋꯥꯡꯈ꯭ꯔꯦ ꯃꯗꯨꯗꯤ ꯃꯈꯣꯏꯕꯨ ꯁꯥꯟꯅꯕꯗ ꯐꯥꯎꯔꯕ ꯃꯃꯤꯡ ꯆꯠꯂꯕ ꯃꯤꯑꯣꯏꯁꯤꯡ, ꯀ꯭ꯔꯤꯀꯦꯠ ꯁꯥꯟꯅꯔꯣꯏꯁꯤꯡ, ꯕꯣꯛꯁꯔꯁꯤꯡ, ꯂꯝꯖꯦꯜꯂꯣꯏꯁꯤꯡ, ꯕꯥꯁꯀꯦꯠꯕꯣꯜꯗ ꯃꯥꯂꯦꯝ ꯁꯤꯟꯕ ꯊꯨꯡꯅ ꯐꯥꯎꯔꯕ ꯁꯥꯟꯅꯔꯣꯏꯁꯤꯡ ꯑꯃꯗꯤ ꯏꯔꯣꯏꯕꯗ ꯃꯃꯤꯡ ꯆꯠꯂꯕꯁꯤꯡꯅ ꯐꯥꯎꯕ ꯃꯈꯣꯏꯕꯨ ꯐꯥꯊꯕ ꯉꯝꯂꯣꯏ꯫
sbAck 1988xg al 18 r aokdwb U.N. special committee against Aparthied okTe ꯈꯪꯅꯕ ꯌꯨ ꯑꯦꯟ ꯑꯣꯒꯤ ꯀꯃꯤꯇꯤ ꯑꯗꯨꯅ ꯌꯨ ꯑꯦꯟ ꯑꯣꯒꯤ ꯍꯦꯗ ꯀ꯭ꯋꯥꯇꯔꯗ ꯑꯃꯨꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯕꯨ ꯇꯣꯉꯥꯟꯅ ꯆꯥꯎꯈꯠꯇꯕ ꯃꯤꯑꯣꯏ ꯀꯥꯡꯂꯨꯞ ꯑꯃꯅꯤ ꯍꯥꯏꯅ ꯂꯧꯅꯔꯤꯕ ꯑꯁꯤꯒꯤ ꯃꯔꯝꯗ ꯂꯦꯛꯆꯔ ꯑꯃ ꯇꯧꯕꯤꯌꯨ꯫ ꯋꯥꯔꯝ ꯈꯔ ꯉꯥꯡꯕꯤꯌꯨ ꯍꯥꯏꯕ ꯆꯦꯕꯥꯎ ꯑꯃ ꯄꯤꯔꯝꯃꯤ꯫ ꯃꯁꯤꯒꯤ ꯃꯔꯝꯗ ꯌꯨ ꯑꯦꯟ ꯑꯣꯒꯤ ꯍꯦꯗ ꯀ꯭ꯋꯥꯇꯔꯗ ꯂꯩꯕ ꯏꯟꯗꯤꯌꯥꯒꯤ ꯑꯣꯐꯤꯁꯔꯁꯤꯡ- ꯏꯟꯗꯤꯌꯟ ꯃꯤꯁꯟꯗ ꯄꯥꯎ ꯄꯤꯗꯨꯅ ꯃꯍꯥꯛꯄꯨ ꯋꯥ ꯉꯥꯡꯍꯟꯕ ꯌꯥꯕꯒꯤ ꯄꯥꯎ ꯂꯧꯅꯈꯤ꯫ ꯅꯨꯃꯤꯠ ꯑꯗꯨꯗ ꯋꯥ ꯉꯥꯡꯒꯗꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯗꯤ ꯃꯃꯤꯡ ꯆꯠꯂꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯅꯤ꯫ ꯃꯈꯣꯏꯁꯤꯡ

[rbrg Archbishop Desmond Tutu
ꯑꯃꯁꯨꯡ ꯙꯅꯆ. Allan ꯎꯃꯅꯀꯃꯥ ꯅꯆꯤꯡꯕꯅꯤ꯫
ꯌꯨ ꯑꯦꯟ ꯑꯣꯒꯤ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ ꯍꯣꯜ ꯑꯆꯧꯕ ꯑꯗꯨꯗ ꯗꯦꯂꯤꯒꯦꯠ 2500 ꯔꯣꯝꯒꯤ ꯐꯝꯐꯝꯁꯤꯡ ꯑꯗꯨꯒꯤ ꯃꯅꯤꯡꯗ ꯃꯔꯩꯕꯥꯛꯁꯤꯡꯒꯤ ꯐꯤꯔꯥꯜ ꯑꯃꯃꯝ ꯍꯥꯞꯄꯤ꯫ ꯃꯍꯥꯛꯅ ꯉꯥꯡꯒꯗꯕ ꯋꯥꯍꯩꯁꯤꯡ ꯑꯗꯨ ꯍꯥꯟꯅ ꯉꯥꯡꯗ꯭ꯔꯤꯉꯩꯗ ꯈꯦꯟꯅ-ꯈꯦꯟꯅꯕ ꯂꯣꯜꯁꯤꯡ ꯐ꯭ꯔꯥꯟꯁ, ꯁ꯭ꯄꯦꯅꯤꯁ, ꯑꯔꯣꯕꯤꯛ ꯑꯃꯁꯨꯡ ꯆꯥꯏꯅꯤꯖꯗ ꯑꯥꯔꯊ ꯍꯟꯗꯣꯛꯀꯗꯕꯅꯤ꯫ ꯑꯗꯨꯅ ꯃꯍꯥꯛꯅ ꯋꯥ ꯉꯥꯡꯒꯗꯕ ꯃꯇꯝ ꯌꯧꯔꯝꯗꯥꯏꯗ ꯍꯥꯏꯔꯤꯕ ꯂꯣꯜꯁꯤꯡ ꯑꯁꯤꯗ ꯑꯥꯔꯊ ꯍꯟꯗꯣꯛꯏ꯫ ꯃꯍꯥꯛꯅ ꯋꯥ ꯉꯥꯡꯕ ꯆꯪꯕꯗ ꯑꯍꯥꯟꯕꯗ ꯈꯔ ꯄꯥꯈꯠꯂꯝꯃꯤ, ꯃꯃꯩꯊꯪꯗꯗꯤ ꯄꯨꯝꯅꯃꯛ ꯐꯈꯤ꯫ ꯃꯍꯥꯛꯅ ꯑꯁꯨꯝꯅ ꯑꯍꯥꯟꯕ ꯑꯣꯏꯅ ꯍꯥꯏꯈꯤ, “ꯏꯟꯗꯤꯌꯥ ꯃꯆꯥ ꯑꯃ ꯑꯣꯏꯅ ꯑꯃꯁꯨꯡ ꯁꯥꯟꯅꯔꯣꯏ ꯑꯃꯁꯨ ꯑꯣꯏꯅ ꯀꯨꯆꯨ ꯃꯨꯕꯁꯤꯡꯕꯨ ꯇꯥꯊꯤ ꯇꯥꯑꯣꯏꯅ ꯇꯧꯕꯤꯕꯒꯤ ꯃꯥꯌꯣꯛꯇ ꯊꯕꯛ ꯆꯠꯊꯔꯤꯕ ꯁ꯭ꯄꯦꯁꯜ ꯀꯃꯤꯇꯤꯒꯤ 25 ꯁꯨꯕ ꯃꯄꯣꯛ ꯅꯨꯃꯤꯠ ꯑꯁꯤꯗ ꯋꯥꯍꯩ ꯈꯔ ꯉꯥꯡꯖꯅꯕ ꯍꯥꯏꯕꯤꯔꯛꯄ ꯑꯁꯤ ꯌꯥꯝꯅ ꯅꯨꯡꯉꯥꯏꯖꯩ ꯑꯗꯨꯒ ꯃꯁꯤꯒꯤ ꯆꯦꯌꯔꯃꯦꯟꯕꯨ ꯊꯥꯒꯠꯆꯔꯤ꯫ ꯑꯩꯈꯣꯏꯒꯤ ꯂꯩꯕꯥꯛꯀ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯒ ꯃꯔꯤ ꯇꯠꯅꯕ ꯑꯁꯤ ꯀꯨꯝꯖꯥ 1946 ꯇꯅꯤ꯫ ꯑꯍꯥꯟꯕ ꯑꯣꯏꯅ ꯌꯨꯅꯥꯏꯇꯦꯗ ꯅꯦꯁꯟꯁꯇ ꯀꯨꯆꯨ ꯈꯦꯟꯅꯕꯒꯤꯗꯃꯛ ꯍꯟꯊꯅ ꯌꯦꯡꯕ ꯍꯥꯏꯕꯁꯤ ꯐꯠꯇꯕ ꯊꯧꯑꯣꯡ ꯑꯃꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯖꯦꯅꯔꯦꯜ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤꯗ ꯋꯥꯀꯠꯈ꯭ꯔꯕꯅꯤ꯫ ꯃꯤꯁꯇꯔ ꯆꯦꯌꯔꯃꯦꯟꯗ ꯃꯍꯥꯛꯅ ꯍꯥꯏꯈꯤ ꯃꯗꯨꯗꯤ ꯆꯦꯌꯔꯃꯦꯟꯒꯤ ꯂꯝꯖꯤꯡ ꯃꯈꯥꯗ ꯍꯧꯖꯤꯛ ꯐꯥꯎꯕ ꯀꯨꯆꯨ ꯃꯨꯕꯁꯤꯡꯗ ꯊꯤꯅ ꯇꯧꯕꯤꯕꯒꯤ ꯊꯧꯑꯣꯡꯁꯤꯡ ꯀꯟꯅ ꯆꯠꯊꯔꯤ꯫ ꯑꯁꯨꯝꯅ ꯃꯍꯥꯛꯅ ꯍꯥꯏꯈꯤ ꯃꯗꯨꯗꯤ “ꯑꯩꯈꯣꯏꯅ ꯊꯥꯖꯩ ꯃꯗꯨꯗꯤ ꯃꯤ ꯑꯁꯤ ꯄꯣꯛꯄꯗ ꯃꯅꯤꯡꯇꯝꯃꯤ ꯃꯗꯨꯗꯤ ꯃꯍꯥꯛ ꯂꯥꯏꯅ ꯁꯥꯔꯛꯄꯅꯤ, ꯃꯁꯤ ꯑꯩꯈꯣꯏꯅ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯗ ꯈꯨꯟꯗꯥꯔꯤꯕ ꯀꯨꯆꯨ ꯃꯨꯕ ꯃꯤꯂꯤꯌꯟ ꯀꯌꯥꯕꯨ ꯑꯣꯠꯄ ꯅꯩꯕ, ꯊꯤꯅ-ꯊꯤꯅ ꯐꯨꯕꯤꯕ, ꯍꯥꯠꯄꯤꯕ ꯑꯃꯁꯨꯡ ꯃꯤꯅꯥꯏ ꯑꯣꯏꯍꯟꯕ ꯑꯁꯤ
ꯇꯣꯛꯄꯤꯒꯗꯕꯅꯤ꯫”

ꯃꯍꯥꯛꯅ ꯑꯁꯨꯝꯅꯁꯨ ꯍꯥꯏꯈꯤ “ꯑꯩꯅ ꯄ꯭ꯔꯣꯐꯦꯁꯅꯦꯜ ꯁ꯭ꯄꯣꯔꯠꯁꯃꯦꯟ ꯑꯃ ꯑꯣꯏꯅ ꯐꯦꯌꯔꯄ꯭ꯂꯦ ꯑꯃꯁꯨꯡ ꯀ꯭ꯋꯥꯂꯤꯇꯤ ꯂꯩꯕ ꯑꯁꯤ ꯑꯩꯒꯤ ꯙꯔꯃꯥꯅꯤ꯫ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯗ ꯑꯁꯤꯒꯨꯝꯕ ꯈꯣꯡꯅ ꯅꯦꯠꯊꯕꯒꯤ ꯃꯑꯣꯡ, ꯃꯤꯑꯣꯏꯕꯒꯤ ꯍꯛ ꯃꯥꯡꯍꯟꯕ ꯑꯁꯤ ꯏꯀꯥꯏꯅꯤꯡꯉꯥꯏ ꯑꯣꯏꯕ ꯑꯃꯁꯨꯡ ꯑꯋꯥꯕꯒꯤ ꯐꯤꯚꯝꯅꯤ꯫ ꯃꯤꯑꯣꯏꯕ ꯑꯁꯤ ꯄꯣꯛꯄꯗ ꯅꯤꯡꯇꯝꯅ ꯄꯣꯛꯏ ꯑꯗꯨꯕꯨ ꯀꯨꯆꯨ ꯃꯨꯕ ꯃꯤꯂꯤꯌꯟ ꯀꯌꯥ ꯀꯌꯥꯕꯨ ꯑꯣꯠ ꯅꯩꯕꯤꯕ, ꯍꯥꯠꯄ, ꯃꯤꯅꯥꯏ ꯑꯣꯏꯍꯟꯕ ꯑꯗꯨꯅ Apartheid ꯀꯤ ꯆꯠꯅꯕꯤ ꯑꯁꯤ ꯍꯦꯟꯒꯠꯂꯛꯏ꯫”
ꯃꯍꯥꯛꯅ ꯍꯥꯏ, “ꯃꯤꯁꯇꯔ ꯆꯦꯌꯔꯃꯦꯟ, ꯑꯩꯅ ꯑꯉꯥꯡ ꯑꯣꯏꯔꯤꯉꯩꯗ ꯑꯆꯧꯕ ꯊꯧꯗꯣꯛ ꯑꯃ ꯊꯣꯛꯈꯤ꯫ ꯑꯩꯅ ꯆꯍꯤ 20 ꯁꯨꯕ ꯃꯇꯝꯗ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯒ ꯑꯣꯐꯤꯁꯜ ꯑꯣꯏꯅ ꯀꯟꯇꯦꯛꯠ ꯇꯧꯏ꯫ ꯑꯩꯅ ꯇꯦꯅꯤꯁꯀꯤ ꯏꯟꯗꯤꯌꯥꯒꯤ ꯅꯝꯕꯔ ꯋꯥꯟ, ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯋꯥꯡꯕ ꯊꯥꯛꯇ ꯂꯩꯕꯅ ꯏꯟꯗꯤꯌꯥ ꯗꯦꯚꯤꯁ ꯀꯞ ꯇꯤꯝꯒꯤ ꯀꯦꯞꯇꯦꯟ
ꯑꯣꯏꯔꯝꯃꯤ꯫ ꯃꯁꯤ ꯏꯟꯗꯤꯌꯥꯅ ꯃꯅꯤꯡ ꯃꯈꯥ ꯇꯝꯂꯕ ꯃꯇꯨꯡꯗ ꯑꯅꯤꯁꯨꯕ ꯐꯥꯏꯅꯦꯜꯅꯤ꯫ ꯑꯩꯈꯣꯏꯅ ꯈꯥ
ꯑꯐ꯭ꯔꯤꯀꯥꯕꯨ ꯃꯥꯏꯊꯤꯕ ꯄꯤꯒꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯗꯦꯚꯤꯁ ꯀꯞ ꯑꯗꯨ ꯂꯧꯕ ꯉꯝꯒꯅꯤ ꯍꯥꯏꯅ ꯂꯩꯔꯝꯃꯤ꯫ ꯑꯗꯨꯕꯨ ꯃꯇꯝ
ꯑꯗꯨꯗ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯒꯤ ꯂꯩꯉꯥꯛꯁꯤꯡ ꯑꯗꯨꯅ ꯀꯨꯆꯨ ꯃꯨꯕꯁꯤꯡ ꯑꯗꯨꯕꯨ ꯊꯤꯅ ꯇꯧꯕꯤꯕ ꯑꯗꯨꯒꯤ ꯃꯔꯝꯅ ꯏꯟꯗꯤꯌ
kxg ꯇꯤꯝ ꯑꯗꯨ ꯈꯥ ꯑꯐ꯭ꯔꯤꯀꯥꯒꯤ ꯁꯥꯟꯅꯔꯣꯏꯁꯤꯡꯒ ꯁꯥꯟꯅꯕ ꯑꯗꯨ ꯊꯤꯡꯈꯤ꯫=

- ꯂꯩꯁꯥꯡꯊꯦꯝ ꯑꯖꯤꯠ -

ꯑꯁꯣꯛꯄ ꯃꯐꯝꯕꯨ ꯊꯨꯅ ꯐꯍꯟꯕ ꯉꯝꯕ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯅꯤꯛ ꯕꯦꯟꯗꯦꯖ
ꯀꯔꯤꯒꯨꯝꯕ ꯈꯨꯗꯣꯡꯊꯤꯕ ꯑꯃꯗꯒꯤ ꯍꯛꯆꯥꯡꯒꯤ ꯁꯔꯨꯛ
ꯑꯃꯗ ꯁꯣꯛꯄ ꯄꯟꯕ ꯍꯥꯏꯕꯁꯤ ꯑꯩꯈꯣꯏꯅ ꯊꯦꯡꯅꯗꯨꯅ
ꯂꯥꯛꯂꯕꯅꯤ꯫ ꯈꯔ ꯍꯦꯟꯅ ꯁꯥꯊꯤꯅ ꯁꯣꯛꯄ ꯃꯇꯝꯗꯗꯤ
ꯏꯟꯐꯦꯛꯁꯟ ꯇꯧꯔꯛꯇꯅꯕ ꯍꯤꯗꯥꯛ ꯆꯥꯕꯒ ꯂꯣꯏꯅꯅ ꯁꯣꯛꯂꯤꯕ
ꯃꯐꯝ ꯑꯗꯨꯗ ꯍꯥꯞꯂꯤꯕ ꯍꯤꯗꯥꯛ, ꯌꯦꯠꯂꯤꯕ ꯕꯦꯟꯗꯦꯖ ꯑꯗꯨ
ꯑꯃꯨꯛ ꯅꯧꯅ ꯍꯥꯞꯄꯒꯤ ꯃꯊꯧ ꯇꯥꯏ, ꯍꯥꯏꯕꯗꯤ ꯗ꯭ꯔꯦꯁꯤꯡ ꯇꯧꯕ ꯇꯥꯏ꯫ ꯗ꯭ꯔꯦꯁꯤꯡ ꯇꯧꯅꯕꯒꯤꯗꯃꯛ ꯍꯣꯁꯄꯤꯇꯥꯜ, ꯀ꯭ꯂꯤꯅꯤꯛ ꯅꯠꯇ꯭ꯔꯒ ꯑꯍꯩꯕ ꯃꯤ ꯑꯃꯒꯤ ꯃꯅꯥꯛꯇ ꯆꯠꯄꯒꯤ ꯃꯊꯧꯁꯨ ꯇꯥꯏ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯈꯨꯗꯣꯡꯆꯥꯗꯕꯁꯤꯡ ꯑꯁꯤ ꯂꯩꯔꯔꯣꯏꯗꯕ ꯕꯦꯠꯇꯔꯤ ꯌꯥꯎꯗꯕ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯅꯤꯛ ꯕꯦꯟꯗꯦꯖ ꯑꯃ ꯅꯣꯔꯊꯋ lKfDjE ꯌꯨꯅꯤꯚꯔꯇꯤꯁꯤꯒꯤ ꯊꯤꯖꯤꯟ ꯂꯨꯞ ꯑꯃꯅ ꯄꯨꯊꯣꯛꯄ ꯉꯝꯂꯦ ꯍꯥꯏꯔꯤ꯫
ꯏꯂꯦꯛꯇ꯭ꯔꯣꯅꯤꯛ ꯕꯦꯟꯗꯦꯖ ꯑꯁꯤ ꯑꯁꯣꯛꯄ ꯃꯐꯝꯗꯨꯗ ꯐꯔꯛꯄꯒꯤ ꯆꯥꯡꯗꯨ ꯌꯦꯡꯁꯤꯟꯕꯒ ꯂꯣꯏꯅꯅ ꯔꯤꯑꯦꯜ-ꯇꯥꯏꯝꯗ ꯁ꯭ꯃꯥꯔꯠꯐꯣꯟ ꯅꯠꯇ꯭ꯔꯒ ꯇꯦꯕ꯭ꯂꯦꯠ ꯑꯃꯗ ꯗꯦꯇꯥ ꯊꯥꯕꯁꯨ ꯉꯝꯃꯤ꯫ ꯑꯁꯣꯛꯄ ꯃꯐꯝ ꯑꯗꯨꯗ ꯃꯄꯨꯡ ꯐꯥꯅ ꯐꯔꯕ ꯃꯇꯨꯡꯗ ꯕꯦꯟꯗꯦꯖ ꯑꯃꯁꯨꯡ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯅꯤꯛꯀꯤ ꯄꯣꯠꯂꯝꯁꯤꯡꯗꯨ ꯍꯛꯆꯥꯡ ꯃꯅꯨꯡꯗ ꯑꯃꯥꯡ-ꯑꯇꯥ ꯊꯣꯛꯍꯟꯗꯅ ꯆꯨꯞꯁꯤꯟꯈꯤ꯫ ꯅꯣꯔꯊꯋꯦꯁꯇ꯭ꯔꯟꯒꯤ ꯊꯤꯖꯤꯟ-ꯂꯨꯞ ꯑꯁꯤꯅ ꯄꯨꯊꯣꯔꯛꯂꯤꯕ ꯕꯦꯟꯗꯦꯖ ꯑꯁꯤ ꯄꯤꯛꯏ, ꯀꯣꯟꯊꯣꯛ-ꯀꯣꯟꯁꯤꯟ ꯌꯥꯏ, ꯆꯤꯡꯊꯣꯛꯄꯁꯨ ꯌꯥꯏ; ꯑꯗꯨꯅ ꯑꯁꯣꯛꯄ ꯃꯐꯝ ꯑꯗꯨꯗ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯊꯦꯔꯥꯄꯤꯕꯨ ꯍꯛꯊꯦꯡꯅꯅ ꯄꯤ ꯑꯃꯁꯨꯡ ꯐꯖꯤꯟꯕꯒꯤ ꯆꯥꯡ ꯊꯨꯍꯜꯂꯤ꯫
“ꯁꯥꯏꯟꯁ ꯑꯦꯗꯚꯥꯟꯁꯦꯁ” (ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤ 22, 2023) ꯗ ꯐꯣꯡꯗꯣꯛꯈꯤꯕ ꯄꯥꯎꯗꯝ ꯑꯃꯒꯤ ꯃꯇꯨꯡꯏꯟꯅ, ꯎꯆꯤꯁꯤꯡꯗ ꯄꯥꯡꯊꯣꯛꯈꯤꯕ ꯇ꯭ꯔꯥꯏꯑꯦꯜꯁꯤꯡꯗ ꯕꯦꯟꯗꯦꯖ ꯑꯁꯤꯕꯨ ꯁꯤꯖꯤꯟꯅꯈꯤꯕ ꯗꯥꯏꯕꯦꯇꯤꯁ ꯂꯩꯔꯕ ꯎꯆꯤꯁꯤꯡꯒꯤ ꯑꯁꯣꯛꯄ ꯃꯐꯝꯁꯤꯡꯗ ꯐꯍꯜꯂꯛꯈꯤꯕꯒꯤ
ꯆꯥꯡ ꯑꯁꯤ ꯕꯦꯟꯗꯦꯖ ꯑꯁꯤ ꯁꯤꯖꯤꯟꯅꯈꯤꯗꯕ ꯎꯆꯤꯁꯤꯡꯗꯒꯤ ꯆꯥꯗ
30 ꯊꯨꯅ ꯐꯍꯜꯂꯛꯈꯤꯕ ꯊꯦꯡꯅꯈꯤ ꯍꯥꯏꯔꯤ꯫ ꯃꯁꯤꯒꯤꯁꯨ ꯃꯊꯛꯇ
ꯕꯦꯟꯗꯦꯖ ꯑꯁꯤꯅ ꯂꯦꯞꯇꯅ ꯍꯤꯂꯤꯡ ꯄ꯭ꯔꯣꯁꯦꯁꯄꯨꯁꯨ ꯇ꯭ꯔꯦꯛ
ꯇꯧꯈꯤ ꯑꯗꯨꯒ ꯁꯣꯛꯂꯤꯕ ꯃꯐꯝ ꯑꯗꯨꯅ ꯐꯔꯕ ꯃꯇꯨꯡꯗ ꯎꯆꯤꯒꯤ
ꯍꯛꯆꯥꯡꯅ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯗꯁꯤꯡ ꯌꯥꯎꯅ ꯕꯦꯟꯗꯦꯖ ꯑꯗꯨꯕꯨ ꯃꯄꯨꯡ
ꯐꯥꯅ ꯆꯨꯞꯁꯤꯟꯈꯤꯕꯁꯨ ꯉꯝꯕ ꯊꯦꯡꯅꯈꯤ꯫ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯊꯦꯔꯥꯄꯤ
ꯄꯤꯕ ꯉꯝꯕ, ꯍꯛꯆꯥꯡ ꯃꯅꯨꯡꯗ ꯆꯨꯞꯁꯤꯟꯈꯤꯕꯁꯨ ꯉꯝꯕ ꯕꯦꯟꯗꯦꯖ
ꯑꯁꯤꯅ ꯗꯥꯏꯕꯦꯇꯤꯁ ꯅꯥꯔꯕ ꯃꯤꯁꯤꯡꯗ ꯑꯁꯣꯛ-ꯑꯄꯟ ꯌꯥꯎꯔꯛꯄ
ꯃꯇꯝꯗ ꯃꯈꯣꯡ-ꯃꯈꯨꯠ ꯀꯛꯄꯒꯤ ꯐꯤꯚꯝ ꯂꯥꯛꯄ ꯑꯃꯁꯨꯡ ꯁꯤꯕ ꯌ
kq ꯐꯤꯚꯝꯁꯤꯡꯗꯒꯤ ꯀꯟꯕ ꯉꯝꯒꯅꯤ ꯍꯥꯏꯅ ꯊꯤꯖꯤꯟ-ꯂꯨꯞ ꯑꯁꯤꯅ
ꯐꯣꯡꯗꯣꯛꯂꯤ꯫
eOjF_lKfDjExg McCormick School of
Engineering ꯗ ꯕꯥꯏꯑꯣꯃꯦꯗꯤꯀꯜ ꯏꯟꯖꯤꯅꯤꯌꯔꯤꯡꯒꯤ
wDjOWlKjKb [OTjgq Guillermo A. Ameer e okT,
“ꯀꯅꯥꯒꯨꯝꯕ ꯃꯤ ꯑꯃꯗ ꯑꯁꯣꯛ-ꯑꯄꯟ ꯌꯥꯎꯔꯛꯄ ꯃꯇꯝꯗ, ꯑꯍꯥꯟꯕ ꯊꯝꯂꯤꯕ ꯄꯥꯟꯗꯝꯗꯤ ꯁꯣꯛꯂꯤꯕ ꯃꯐꯝ ꯑꯗꯨꯕꯨ ꯍꯦꯛ ꯉꯝꯂꯤꯕꯃꯈꯩ ꯊꯨꯅ ꯇꯥꯏꯁꯤꯟꯅꯍꯟꯈꯤꯕꯅꯤ꯫ ꯃꯔꯝꯗꯤ ꯇꯥꯏꯁꯤꯟꯅꯗ꯭ꯔꯤꯕ ꯃꯐꯝ ꯑꯗꯨ ꯏꯟꯐꯦꯛꯁꯟꯒꯤ ꯃꯀꯣꯟ ꯑꯣꯏꯔꯛꯄ ꯌꯥꯏ꯫ ꯑꯗꯨꯒ ꯗꯥꯏꯕꯦꯇꯤꯁꯅ ꯅꯥꯔꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯒꯤ ꯑꯣꯏꯅꯗꯤ, ꯏꯟꯐꯦꯛꯁꯟꯁꯤꯡꯁꯤ ꯂꯥꯌꯦꯡꯕꯗ ꯍꯦꯟꯅ ꯂꯨꯏ ꯑꯃꯁꯨꯡ ꯈꯨꯗꯣꯡꯊꯤꯅꯤꯡꯉꯥꯏꯁꯨ ꯑꯣꯏ꯫ ꯑꯩꯈꯣꯏꯅ ꯅꯧꯅ ꯄꯨꯊꯣꯔꯛꯂꯤꯕ ꯕꯦꯟꯗꯦꯖ ꯑꯁꯤ ꯀꯣꯁꯠ-ꯏꯐꯦꯛꯇꯤꯚ
ꯑꯣꯏꯕꯒ ꯂꯣꯏꯅꯅ ꯁꯤꯖꯤꯟꯅꯕꯗ ꯂꯥꯏ, ꯅꯨꯡꯉꯥꯏꯇꯕ ꯂꯩꯍꯟꯗꯦ ꯑꯃꯁꯨꯡ
ꯁꯣꯛꯂꯤꯕ ꯃꯐꯝꯕꯨ ꯊꯨꯅ ꯐꯖꯤꯟꯍꯜꯂꯤ꯫”
ꯌꯨꯅꯥꯏꯇꯦꯗ ꯁ꯭ꯇꯦꯠꯁꯇ ꯂꯩꯔꯤꯕ ꯃꯤꯑꯣꯏ ꯃꯤꯂꯤꯌꯟ 30 ꯔꯣꯝꯗꯤ
ꯗꯥꯏꯕꯦꯇꯤꯁꯅ ꯅꯥꯏ ꯑꯗꯨꯒ ꯃꯈꯣꯏꯒꯤ ꯃꯔꯛꯇꯒꯤ 15-25% ꯗ
ꯃꯈꯣꯏꯒꯤ ꯄꯨꯟꯁꯤꯒꯤ ꯀꯔꯤꯒꯨꯝꯕ ꯇꯥꯡꯀꯛ ꯑꯃꯗ ꯗꯥꯏꯕꯦꯇꯤꯛ ꯐꯨꯠ
ꯑꯜꯁꯔꯅ ꯅꯥꯔꯛꯏ꯫ ꯗꯥꯏꯕꯦꯇꯤꯁꯅ ꯅ꯭ꯔ꯭ꯚꯁꯤꯡ ꯁꯣꯛꯍꯜꯂꯛꯂꯕꯗꯤ
ꯈꯣꯡ-ꯈꯨꯠ ꯏꯁꯤ-ꯁꯤꯊꯕꯒꯨꯝꯕ ꯊꯣꯔꯛꯏ, ꯑꯗꯨꯅ ꯗꯥꯏꯕꯦꯇꯤꯁ ꯂꯩꯔꯕ
ꯃꯤꯁꯤꯡꯅ ꯎꯟꯁꯥꯗ ꯈꯖꯤꯛꯇꯪ ꯀꯥꯐꯠꯄ ꯅꯠꯇ꯭ꯔꯒ ꯇꯠꯄꯒꯨꯝꯕ
ꯇꯧꯔꯛꯄꯗ ꯈꯪꯍꯧꯗꯕꯗꯒꯤ ꯂꯥꯌꯦꯡꯕꯤꯗꯕ ꯌꯥꯎꯏ꯫ ꯒ꯭ꯂꯨꯀꯣꯖꯀꯤ ꯆꯥꯡ
ꯋꯥꯡꯂꯛꯄꯗꯨꯅ, ꯀꯦꯄꯤꯂꯔꯤ ꯋꯥꯜꯁꯤꯡꯕꯨ ꯊꯥꯒꯠꯍꯜꯂꯤ, ꯏꯒꯤ ꯏꯆꯦꯜ
ꯇꯞꯊꯔꯛꯏ, ꯑꯗꯨꯅ ꯑꯁꯣꯛꯄ ꯃꯐꯝꯗꯨꯕꯨ ꯇꯥꯏꯁꯤꯟꯅꯍꯟꯕꯗ
ꯍꯦꯟꯅ ꯂꯨꯔꯛꯏ꯫ ꯑꯗꯨꯅ ꯑꯁꯤꯒꯨꯝꯕ ꯈꯖꯤꯛꯇꯪ ꯁꯣꯛꯄ ꯑꯁꯤꯅ
ꯈꯨꯗꯣꯡꯊꯤꯅꯤꯡꯉꯥꯏ ꯑꯣꯏꯔꯕ ꯑꯁꯣꯛꯄ ꯃꯐꯝ ꯑꯣꯏꯔꯛꯄ ꯌꯥꯏ꯫
ꯊꯤꯖꯤꯟ ꯂꯨꯞ ꯑꯁꯤꯅ ꯑꯍꯥꯟꯕꯗ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯜ ꯁ꯭ꯇꯤꯃ꯭ꯌ
bmlKE ꯊꯦꯔꯥꯄꯤꯅ ꯑꯁꯣꯛꯄ ꯃꯐꯝꯁꯤꯡꯕꯨ ꯐꯍꯟꯕ ꯉꯝꯕ꯭ꯔꯥ ꯍꯥꯏꯕꯗꯨ
ꯊꯤꯖꯤꯟꯕ ꯄꯥꯝꯂꯝꯃꯤ꯫ ꯑꯁꯣꯛꯄꯁꯤꯡ ꯑꯁꯤꯅ ꯍꯛꯆꯥꯡꯒꯤ ꯅꯣꯔꯃꯦꯜ
ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯜ ꯁꯤꯒ꯭ꯅꯦꯜꯁꯤꯡꯗ ꯑꯌꯦꯠꯄ ꯄꯤ꯫ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯜ
ꯁ꯭ꯇꯤꯃ꯭ꯌꯨꯂꯦꯁꯟ ꯄꯤꯁꯤꯟꯕ ꯃꯇꯝꯗ ꯃꯁꯤꯅ ꯍꯛꯆꯥꯡꯒꯤ ꯅꯣꯔꯃꯦꯜ ꯁꯤꯒ꯭ꯅꯦꯜꯁꯤꯡꯕꯨ ꯐꯪꯍꯜꯂꯛꯏ ꯑꯗꯨꯒ ꯁꯣꯛꯂꯤꯕ ꯃꯐꯝ ꯑꯗꯨꯗ ꯑꯅꯧꯕ ꯁꯦꯜꯁꯤꯡꯅ ꯆꯪꯂꯛꯅꯕ ꯏꯊꯤꯜ ꯄꯤꯔꯛꯏ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯁꯦꯜꯁꯤꯡꯅ ꯑꯁꯣꯛꯄ ꯃꯐꯝ ꯑꯗꯨꯗ ꯊꯨꯅ ꯆꯦꯟꯁꯤꯜꯂꯛꯏ ꯑꯃꯁꯨꯡ ꯃꯐꯝꯗꯨꯗ ꯎꯟꯁꯥꯒꯤ ꯇꯤꯁꯨꯁꯤꯡꯕꯨ ꯅꯧꯅ ꯁꯦꯝꯒꯠꯂꯛꯏ꯫ ꯅꯧꯅ ꯁꯦꯝꯒꯠꯂꯛꯂꯤꯕ ꯎꯟꯁꯥꯒꯤ ꯇꯤꯁꯨꯁꯤꯡꯗ ꯑꯅꯧꯕ ꯏꯒꯤ ꯎꯇꯣꯡꯁꯤꯡ ꯌ kBjdT ꯑꯃꯁꯨꯡ ꯏꯟꯐ꯭ꯂꯦꯃꯦꯁꯟꯗꯨꯕꯨ ꯂꯥꯛꯁꯤꯟꯗꯨꯅ ꯊꯝꯈꯤ꯫
ꯀ꯭ꯂꯤꯅꯤꯁꯤꯌꯟꯁꯤꯡꯅ ꯑꯁꯣꯛꯄ ꯃꯐꯝꯕꯨ ꯐꯍꯟꯅꯕꯒꯤꯗꯃꯛ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯊꯦꯔꯥꯄꯤ
ꯁꯤꯖꯤꯟꯅꯕꯁꯤ ꯍꯥꯟꯅꯗꯒꯤ ꯍꯧꯔꯛꯈ꯭ꯔꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯃꯗꯨꯗ
ꯁꯤꯖꯤꯟꯅꯔꯤꯕ ꯈꯨꯠꯂꯥꯏꯁꯤꯡꯒꯤ ꯑꯌꯥꯝꯕꯗꯤ ꯇꯥꯔꯥꯁꯤꯡꯅ
ꯁꯝꯖꯤꯜꯂꯕ ꯑꯆꯧꯕ ꯃꯦꯆꯤꯟꯁꯤꯡꯅꯤ, ꯑꯗꯨꯒ ꯃꯈꯣꯏꯕꯨ
ꯈꯪ-ꯍꯩꯔꯕ ꯑꯃꯒꯤ ꯃꯈꯥꯗ ꯍꯣꯁꯄꯤꯇꯥꯜꯗ ꯁꯤꯖꯤꯟꯅꯕꯒꯤ
ꯃꯊꯧ ꯇꯥꯔꯝꯃꯤ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯈꯨꯗꯣꯡꯆꯥꯗꯕ ꯑꯁꯤ ꯂꯩꯇꯕ
ꯑꯃꯁꯨꯡ ꯌꯨꯝꯗ ꯀꯅꯥꯒꯨꯝꯕ ꯑꯃꯅ ꯍꯦꯛꯇ ꯁꯤꯖꯤꯟꯅꯕ ꯌꯥꯕ ꯄꯥꯝꯕꯩ ꯑꯃ ꯄꯨꯊꯣꯛꯅꯕꯒꯤꯗꯃꯛ Guillermo A. Ameer e John A. Rogers s SbGKAeq oyjdmAag! jOcjK [Kg

ꯀꯨꯝꯖꯥ 2018 ꯗ ꯕꯥꯏꯑꯣꯔꯤꯁꯣꯔꯕꯦꯕꯜ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯅꯤꯛ ꯃꯦꯗꯤꯁꯤꯟꯒꯤ ꯋꯥꯈꯜꯂꯣꯟꯕꯨ ꯄꯨꯊꯣꯔꯛꯈꯤꯕ ꯕꯥꯏꯑꯣꯏꯂꯦꯛꯇ꯭ꯔꯣꯅꯤꯛꯁ ꯄꯥꯏꯑꯣꯅꯤꯌꯔ ꯑꯃꯅꯤ꯫
ꯃꯈꯣꯏ ꯑꯅꯤꯅ ꯂꯨꯆꯤꯡꯈꯤꯕ ꯊꯤꯖꯤꯟ ꯂꯨꯞ ꯑꯁꯤꯅ ꯑꯁꯣꯛꯄ
ꯃꯐꯝ ꯑꯗꯨꯗ ꯌꯥꯝꯅ ꯇꯞꯅ ꯅꯞꯁꯤꯟꯕ ꯌꯥꯕ, ꯑꯄꯤꯛꯄ ꯑꯃꯁꯨꯡ
ꯀꯣꯟꯊꯣꯛ-ꯀꯣꯟꯁꯤꯟ ꯌꯥꯕ ꯕꯦꯟꯗꯦꯖ ꯑꯃ ꯁꯦꯝꯒꯠꯄ ꯉꯝꯈꯤ꯫

ꯁ꯭ꯃꯥꯔꯠ ꯔꯤꯖꯦꯅꯦꯔꯦꯇꯤꯚ ꯁꯤꯁꯇꯝ ꯑꯗꯨꯒꯤ ꯅꯥꯀꯜ ꯑꯃꯗ
ꯏꯂꯦꯛꯇ꯭ꯔꯣꯗ ꯑꯅꯤ ꯌꯥꯎꯔꯤ: ꯁꯣꯛꯂꯤꯕ ꯃꯐꯝꯗꯨꯒꯤ ꯃꯅꯨꯡ ꯏꯊꯪ
ꯊꯪꯕ ꯁꯔꯨꯛꯇ ꯊꯝꯒꯗꯕ ꯑꯄꯤꯛꯄ ꯂꯩ ꯑꯃꯒꯤ ꯃꯑꯣꯡ ꯃꯥꯟꯕ
ꯏꯂꯦꯛꯇ꯭ꯔꯣꯗ (ꯃꯌꯥꯏꯗ ꯂꯩꯔꯤꯕ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯗ) ꯑꯃꯁꯨꯡ ꯑꯁꯣꯛꯄ
ꯃꯐꯝ ꯄꯨꯝꯅꯃꯛꯄꯨ ꯀꯣꯏꯁꯤꯟꯕ ꯉꯝꯕ ꯃꯁꯥ ꯁꯣꯛꯇ꯭ꯔꯤꯕ ꯇꯤꯁꯨꯗ
ꯊꯝꯒꯗꯕ ꯈꯨꯖꯤ ꯃꯑꯣꯡ ꯃꯥꯟꯕ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯗ ꯑꯃ (ꯃꯃꯤ 1)꯫
ꯈꯨꯠꯂꯥꯏ ꯑꯗꯨꯒꯤ ꯑꯇꯣꯞꯄ ꯅꯥꯀꯜ ꯑꯗꯨꯗꯅ ꯁꯤꯁꯇꯝ ꯑꯗꯨꯗ ꯄꯥꯋꯔ
ꯄꯤꯕ ꯉꯝꯕ ꯑꯦꯅꯔꯖꯤ-ꯍꯥꯔꯚꯦꯁꯇꯤꯡ ꯀꯣꯏꯜ ꯑꯃ ꯑꯃꯁꯨꯡ
ꯇꯥꯔꯥ ꯌꯥꯎꯗꯅ ꯗꯦꯇꯥ ꯊꯥꯗꯣꯛ-ꯊꯥꯖꯤꯟ ꯉꯝꯍꯜꯂꯤꯕ near-ꯇꯡ ꯅꯦꯛ
communication (NFC) system [a \kBjg!
ꯃꯈꯣꯏꯒꯤ ꯁꯤꯁꯇꯝ ꯑꯁꯤꯗ ꯐꯒꯠꯂꯛꯄꯒꯤ ꯆꯥꯡꯗꯨꯕꯨ ꯐꯖꯅ
ꯌꯦꯡꯁꯤꯜꯂꯤꯕ ꯁꯦꯟꯁꯔꯁꯤꯡꯁꯨ ꯌꯥꯎꯔꯤ꯫ ꯑꯁꯣꯛꯄ ꯃꯐꯝꯗꯨꯗ
ꯆꯦꯜꯂꯤꯕ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ ꯀꯔꯦꯟꯠꯀꯤ ꯑꯊꯤꯡꯕ ꯑꯗꯨꯕꯨ ꯑꯣꯜꯂꯒ ꯐꯤꯖꯤꯁꯤꯌꯟꯁꯤꯡꯅ ꯃꯣꯅꯤꯇꯔ ꯇꯧꯕ ꯉꯝꯃꯤ꯫ ꯑꯣꯜꯂꯤꯕ ꯀꯔꯦꯟꯠ ꯑꯗꯨꯗ ꯈꯖꯤꯛ-ꯈꯖꯤꯛ ꯍꯟꯊꯔꯛꯄꯅ ꯐꯒꯠꯂꯛꯄꯒꯤ ꯆꯥꯡꯗꯨ ꯍꯦꯟꯒꯠꯂꯛꯂꯤ ꯍꯥꯏꯕꯗꯨ ꯇꯥꯛꯏ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯆꯦꯜꯂꯤꯕ ꯀꯔꯦꯟꯠꯗꯨ ꯑꯗꯨꯝ ꯋꯥꯡꯗꯨꯅ ꯂꯩꯔꯕꯗꯤ, ꯐꯤꯖꯤꯁꯤꯌꯟꯁꯤꯡꯅ ꯀꯔꯤꯒꯨꯝꯕ ꯑꯁꯣꯏꯕ ꯑꯃ ꯂꯩꯔꯦ ꯍꯥꯏꯕ ꯈꯪꯕ ꯉꯝꯃꯤ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯊꯕꯛꯁꯤꯡꯁꯤ ꯑꯣꯟꯕꯗ ꯇꯔꯥꯒꯤ ꯃꯊꯧ ꯇꯥꯗꯦ꯫ ꯐꯅ ꯂꯥꯞꯄ ꯃꯐꯝ ꯑꯃꯗꯒꯤ ꯐꯥꯎꯕ
ꯐꯤꯖꯤꯁꯤꯌꯟ ꯑꯃꯅ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯜ ꯁ꯭ꯇꯤꯃ꯭ꯌꯨꯂꯦꯁꯟꯗꯨ ꯀꯔꯝꯕ
ꯃꯇꯝꯗ ꯇꯧꯍꯟꯒꯗꯒꯦ ꯍꯥꯏꯕꯗꯨ ꯂꯦꯞꯄ ꯉꯝꯃꯤ ꯑꯃꯁꯨꯡ
ꯑꯁꯣꯛꯄ ꯃꯐꯝꯗꯨꯅ ꯐꯒꯠꯂꯛꯄꯒꯤ ꯆꯥꯡꯗꯨ ꯃꯣꯅꯤꯇꯔ ꯇꯧꯏ꯫
ꯑꯁꯣꯛꯄ ꯃꯐꯝ ꯑꯗꯨꯅ ꯄꯨꯡꯐ ꯐꯔꯕ ꯃꯇꯝꯗ ꯂꯩꯒꯤ ꯃꯑꯣꯡ
ꯃꯥꯟꯕ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯗ ꯍꯥꯏꯕꯗꯤ ꯍꯛꯆꯥꯡꯅ ꯀꯨꯞꯁꯤꯟꯈ꯭ꯔꯕ
ꯁꯔꯨꯛ ꯑꯗꯨꯈꯛꯇꯃꯛ ꯍꯛꯆꯥꯡ ꯃꯅꯨꯡꯗ ꯑꯗꯨꯝ ꯇꯨꯝꯖꯈꯤ, ꯑꯇꯩ
ꯁꯔꯨꯛꯁꯤꯡꯗꯤ ꯍꯛꯆꯥꯡꯒꯤ ꯃꯄꯥꯟꯗ ꯂꯩꯍꯧꯕꯅꯤꯅ ꯑꯗꯨꯝ ꯂꯧꯊꯣꯛꯄ
ꯌꯥꯏ꯫ ꯊꯤꯖꯤꯟ ꯂꯨꯞ ꯑꯁꯤꯅ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯗꯁꯤꯡꯗꯨ ꯃꯣꯂꯤꯕꯗꯦꯅꯝ
ꯍꯥꯏꯔꯤꯕ ꯙꯥꯇꯨ ꯑꯗꯨꯅ ꯁꯥꯕꯅꯤ꯫ ꯃꯣꯂꯤꯕꯗꯦꯅꯝ ꯑꯁꯤꯅ ꯑꯁꯨꯛꯀꯤ
ꯃꯇꯤꯛ ꯄꯥꯔꯕꯗꯤ ꯃꯈꯣꯏꯁꯤ ꯕꯥꯏꯑꯣꯗꯤꯒ꯭ꯔꯦꯗꯦꯕꯜ ꯑꯣꯏ ꯑꯃꯁꯨꯡ
ꯙꯥꯇꯨꯁꯤꯅ ꯐꯒꯠꯂꯛꯄꯒꯤ ꯊꯧꯑꯣꯡꯗ ꯑꯀꯥꯏꯕ ꯄꯤꯗꯦ ꯍꯥꯏꯕꯁꯤ
ꯂꯨꯞ ꯑꯁꯤꯅ ꯈꯪꯂꯛꯈꯤ꯫ ꯑꯃꯤꯔꯅ ꯐꯣꯡꯗꯣꯛꯄꯒꯤ ꯃꯇꯨꯡꯏꯟꯅ
ꯊꯥ ꯇꯔꯨꯛꯃꯨꯛꯀꯤ ꯃꯇꯨꯡꯗ ꯙꯥꯇꯨ ꯑꯁꯤ ꯇꯨꯝꯈꯤꯕ ꯉꯝꯃꯤ, ꯑꯗꯨꯒ
ꯍꯛꯆꯥꯡꯒꯤ ꯀꯌꯥꯠꯁꯤꯡꯗ ꯈꯖꯤꯛꯈꯛꯇꯃꯛ ꯇꯨꯡꯁꯤꯟꯗꯨꯅ
ꯂꯩꯍꯧꯕꯅ, ꯙꯥꯇꯨꯁꯤꯅ ꯑꯔꯨꯕ ꯐꯤꯚꯝ ꯑꯃ ꯑꯣꯏꯍꯜꯂꯛꯂꯣꯏ
ꯍꯥꯏꯕꯁꯤꯗ ꯆꯤꯡꯅꯅꯤꯡꯉꯥꯏ ꯑꯣꯏꯗꯦ꯫ ꯃꯇꯧ ꯑꯁꯨꯝꯅ ꯂꯩ-ꯃꯑꯣꯡ
ꯃꯥꯟꯕ ꯏꯂꯦꯛꯇ꯭ꯔꯣꯗ ꯑꯗꯨꯅ ꯇꯨꯝꯈꯤ꯫
ꯃꯁꯤꯒꯤ ꯃꯈꯥ ꯇꯥꯔꯛꯄꯗ ꯊꯤꯖꯤꯟ ꯂꯨꯞ ꯑꯁꯤꯅ ꯍꯦꯟꯅ ꯆꯥꯎꯕ ꯑꯦꯅꯤꯃꯦꯜ ꯃꯣꯗꯦꯜ ꯑꯃꯗ ꯗꯥꯏꯕꯦꯇꯤꯛ ꯑꯜꯁꯔꯁꯤꯡꯒꯤ ꯕꯦꯟꯗꯦꯖ ꯑꯣꯏꯅ ꯆꯥꯡ ꯌꯦꯡꯅꯕꯒꯤ ꯊꯧꯔꯥꯡ ꯇꯧꯔꯤ꯫ ꯃꯁꯤꯗ ꯀꯔꯤꯒꯨꯝꯕ ꯃꯥꯏ ꯄꯥꯛꯂꯕꯗꯤ ꯃꯈꯣꯏꯅ ꯃꯤꯑꯣꯏꯕꯗ ꯆꯥꯡ ꯌꯦꯡꯒꯅꯤ꯫ ꯕꯦꯟꯗꯦꯖ ꯑꯁꯤꯅ ꯍꯤꯗꯥꯛꯁꯤꯡ ꯅꯠꯇ꯭ꯔꯒ ꯕꯥꯏꯑꯣꯂꯣꯖꯤꯛꯁ ꯊꯥꯗꯣꯔꯛꯇꯅ ꯍꯛꯆꯥꯡꯒꯤ ꯂꯩꯖꯔꯤꯕ ꯍꯤꯂꯤꯡ ꯄꯥꯋꯔꯕꯨ ꯁꯤꯖꯤꯟꯅꯕꯅꯤꯅ ꯔꯦꯒꯨꯂꯦꯇꯔꯤ ꯍꯔꯗꯜꯁꯤꯡ ꯏꯔꯩ ꯂꯩꯇꯦ꯫ ꯃꯁꯤꯅ ꯇꯥꯛꯂꯤꯕꯗꯤ ꯑꯁꯤꯒꯨꯝꯕ ꯁꯤꯁꯇꯝ ꯑꯁꯤ ꯀꯩꯊꯦꯜꯗ ꯊꯨꯅ ꯎꯕ ꯉꯝꯂꯒꯅꯤ ꯍꯥꯏꯕꯁꯤꯅꯤ꯫=

ꯏꯂꯦꯛꯇ꯭ꯔꯣꯅꯤꯛ ꯕꯦꯟꯗꯦꯖꯒꯤ ꯁꯛꯇꯝ ꯎꯠꯂꯤꯕ ꯂꯥꯏꯌꯦꯛ

Guillemo A. Ameer

John A. Rogers

ꯁꯥꯏꯟꯁꯀꯤ ꯈꯣꯡꯆꯠ
ꯀꯨꯟꯖꯣ ꯅꯥꯎꯔꯦꯝ