paUce Asid foZjrib wareZsiZ Asigi waSL, miTyeZ AIb msa msagini> paUce Asig paUce Asigi waSLloN AmsuZ miTyeZg HoIdoKn mri lEnde>

huIyeN laNpaU
yuMskEs, febrBuwari 09, 2022, IMfaL
13 sub chi, 289 sub msiZ

ꯃꯤꯔꯦꯞꯁꯤꯡꯒꯤ ꯃꯔꯜ-ꯃꯊꯨꯝ
ꯄꯨꯝꯅꯃꯛꯅꯗꯤ SIT, ꯏꯚꯤꯗꯦꯟꯁꯇꯤ ꯂꯩꯇꯦ
ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤ 27 ꯑꯃꯁꯨꯡ ꯃꯥꯔꯆ 3 ꯗ ꯇꯥꯡꯀꯛ ꯑꯅꯤ ꯊꯣꯛꯅ ꯄꯥꯡꯊꯣꯛꯂꯒꯗꯕ
12 ꯁꯨꯕ ꯃꯅꯤꯄꯨꯔ ꯁ꯭ꯇꯦꯠ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ ꯃꯤꯈꯜ, 2022 ꯒꯤ ꯐꯦꯖ ꯑꯅꯤꯃꯛꯀꯤ
ꯏꯂꯦꯛꯁꯟ ꯅꯣꯇꯤꯐꯤꯀꯦꯁꯟꯁꯤꯡ ꯊꯣꯛꯈ꯭ꯔꯦ꯫ ꯅꯣꯇꯤꯐꯤꯀꯦꯁꯟ ꯊꯣꯛꯄ ꯅꯨꯃꯤꯠꯇꯒꯤꯅ
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ꯁ꯭ꯀ꯭ꯔꯨꯇꯤꯅꯤ ꯇꯧꯔꯒ ꯌꯥꯔꯕ ꯑꯃꯁꯨꯡ ꯌꯥꯗꯕꯁꯤꯡ ꯈꯟꯗꯣꯛꯂꯒ ꯃꯤꯔꯦꯞ ꯆꯦꯁꯤꯡ
ꯂꯧꯊꯣꯛꯄ ꯌꯥꯒꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯄꯤꯔꯤꯕ ꯃꯇꯝ ꯐꯥꯎꯕ ꯉꯥꯏꯒꯗꯧꯔꯤꯕꯅꯤ꯫ ꯍꯥꯏꯔꯤꯕ
ꯃꯤꯔꯦꯞꯁꯤꯡ ꯂꯧꯊꯣꯛꯄ ꯌꯥꯕꯒꯤ ꯄꯤꯔꯤꯕ ꯑꯔꯣꯏꯕ ꯅꯨꯃꯤꯠ ꯑꯗꯨ ꯐꯥꯎꯕꯗ ꯂꯧꯊꯣꯛꯅꯗꯅ
ꯂꯩꯍꯧꯔꯤꯕꯁꯤꯡ ꯑꯗꯨꯒꯤ ꯃꯅꯨꯡꯗꯒꯤ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ ꯀꯟꯁꯇꯤꯇ꯭ꯌꯨꯑꯦꯟꯁꯤ ꯑꯃꯗ
ꯃꯤꯔꯦꯞ ꯑꯃꯗꯒꯤꯕꯨ ꯍꯦꯜꯂꯕꯗꯤ ꯃꯤꯍꯨꯠ ꯈꯟꯅꯅꯕ ꯃꯤꯈꯜ ꯄꯥꯡꯊꯣꯛꯀꯗꯧꯔꯤꯕꯅꯤ꯫
ꯃꯔꯝ ꯑꯁꯤꯅ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯒꯗꯕꯁꯤꯡꯅ ꯃꯈꯣꯏ-ꯃꯈꯣꯏꯒꯤ ꯃꯤꯔꯦꯞ ꯆꯦꯁꯤꯡ
ꯄꯤꯁꯤꯟꯅꯔꯛꯄ, ꯃꯤꯔꯦꯞ ꯆꯦꯁꯤꯡꯗꯨ ꯃꯔꯤ ꯂꯩꯅꯔꯤꯕ ꯔꯤꯇꯔꯅꯤꯡ ꯑꯣꯐꯤꯁꯔꯁꯤꯡꯅ
ꯁ꯭ꯀ꯭ꯔꯨꯇꯤꯅꯤ ꯇꯧꯕ ꯑꯗꯨꯒ ꯂꯧꯊꯣꯛꯅꯕ-ꯂꯧꯊꯣꯛꯅꯗꯕ ꯉꯥꯏꯕꯒꯤ ꯊꯕꯛꯁꯤꯡꯁꯤ
ꯄꯥꯡꯊꯣꯛꯂꯒꯗꯕ ꯃꯤꯈꯜ ꯑꯁꯤꯒꯤ ꯍꯧꯅꯕ ꯃꯆꯠꯅꯤ꯫ ꯇꯉꯥꯏꯐꯗꯕ ꯇꯧꯗꯕ ꯌꯥꯗ꯭ꯔꯕ
ꯏꯂꯦꯛꯁꯟ ꯑꯁꯤꯒꯤ ꯊꯕꯛ-ꯊꯧꯔꯝ ꯉꯥꯛꯇꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ
ꯁꯦꯒꯃꯦꯟꯠ 60 ꯗ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯒꯗꯕꯁꯤꯡꯅ ꯃꯈꯣꯏꯒꯤ ꯅꯣꯃꯤꯅꯦꯁꯟ ꯄꯦꯄꯔꯁꯤꯡ
ꯐꯥꯏꯜ ꯇꯧꯅꯔꯛꯄꯗ ꯐꯣꯡꯗꯣꯛꯅꯔꯛꯂꯤꯕ ꯋꯥꯐꯝꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ ꯃꯈꯣꯏ ꯃꯁꯥ-ꯃꯁꯥꯒꯤ,
ꯃꯁꯥꯒꯤ ꯂꯣꯏꯅꯕꯤꯒꯤ ꯕꯦꯡꯛꯁꯤꯡꯗ ꯂꯩꯕ ꯑꯦꯀꯥꯎꯟꯠꯁꯤꯡꯗ ꯂꯩꯕ ꯁꯦꯟꯐꯝ, ꯃꯈꯣꯏꯒꯤ
ꯃꯤꯡꯗ ꯂꯩꯕ ꯃꯨꯚꯦꯕꯜ ꯑꯃꯁꯨꯡ ꯏꯝꯃꯣꯚꯦꯕꯜ ꯑꯦꯁꯦꯠꯁꯤꯡꯒꯤ ꯃꯁꯛ-ꯃꯃꯤꯡ,
ꯃꯗꯨꯒꯤ ꯚꯦꯂꯨꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯐꯣꯡꯗꯣꯛꯅꯔꯛꯂꯤꯕꯁꯤꯕꯨ ꯂꯣꯏꯅꯃꯛ ꯑꯆꯨꯝꯕ ꯉꯥꯛꯇ
ꯑꯣꯏꯔꯝꯂꯒꯗ꯭ꯔ? ꯋꯥꯍꯪꯁꯤ ꯏꯂꯦꯛꯁꯟ ꯀꯃꯤꯁꯟ ꯑꯣꯐ ꯏꯟꯗꯤꯌꯥ (ꯏ ꯁꯤ ꯑꯥꯏ)
ꯑꯃꯁꯨꯡ ꯆꯤꯐ ꯏꯂꯦꯛꯇꯣꯔꯦꯜ ꯑꯣꯐꯤꯁꯔ (ꯁꯤ ꯏ ꯑꯣ), ꯃꯅꯤꯄꯨꯔꯅ ꯔꯤꯄ꯭ꯔꯖꯦꯟꯇꯦꯁꯟ
ꯑꯣꯐ ꯄꯤꯄꯜꯁ ꯑꯦꯛꯠꯀꯤ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯄ꯭ꯔꯣꯚꯤꯖꯟꯁꯤꯡꯅ ꯄꯤꯕ
ꯑꯌꯥꯕꯒꯤ ꯃꯇꯨꯡꯏꯟꯅ ꯄꯥꯡꯊꯣꯔꯛꯂꯤꯕ ꯃꯤꯈꯜꯒꯤ ꯊꯕꯛꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯃꯁꯤꯒꯤ
ꯃꯇꯨꯡꯏꯟꯅ ꯀꯦꯟꯗꯤꯗꯦꯠ ꯑꯣꯏꯒꯗꯕꯁꯤꯡꯅ ꯐꯥꯏꯜ ꯇꯧꯅꯔꯛꯂꯤꯕ ꯅꯣꯃꯤꯅꯦꯁꯟ
ꯄꯦꯄꯔꯁꯤꯡ ꯑꯁꯤꯗꯗꯤ ꯍꯪꯂꯨꯕ ꯌꯥꯕ ꯋꯥꯍꯪ ꯅꯠꯇꯦ꯫ ꯄꯥꯎꯈꯨꯝꯒꯤ ꯃꯍꯨꯠꯇ ꯂꯤꯆꯩ ꯅꯤꯕ ꯑꯣꯏꯅ ꯊꯣꯛꯀꯗꯕ ꯋꯥꯍꯪꯅꯤ꯫ ꯑꯣꯐꯤꯁꯜ ꯑꯣꯏꯅ ꯍꯪꯂꯨꯕ ꯌꯥꯕ ꯋꯥꯍꯪ ꯅꯠꯇꯦ꯫
ꯃꯔꯝꯗꯤ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯅꯤꯡꯕꯁꯤꯡꯅ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯅꯕꯒꯤ ꯃꯤꯔꯦꯞ ꯆꯦ
ꯄꯤꯁꯤꯜꯂꯛꯎ ꯍꯥꯏꯕꯅꯤ꯫ ꯁꯤ ꯏ ꯑꯣꯒꯤ ꯃꯈꯥꯗ ꯔꯤꯇꯔꯅꯤꯡ ꯑꯣꯐꯤꯁꯔꯁꯤꯡꯅ
ꯄꯤꯕ ꯑꯀꯛꯅꯕ ꯐꯣꯔꯝ ꯅꯝꯕꯔꯒꯤ ꯐꯣꯔꯃꯦꯠꯇ ꯅꯤꯡꯊꯤꯖꯅ ꯃꯦꯟꯁꯤꯜꯂꯒ
ꯄꯤꯁꯤꯟꯅꯔꯛꯀꯗꯕꯅꯤ꯫ ꯃꯦꯟꯁꯤꯜꯂꯛꯄ ꯋꯥꯔꯣꯜꯁꯤꯡ ꯑꯗꯨ 'ꯑꯦꯐꯤꯗꯦꯕꯤꯠ'
ꯑꯣꯏꯅ 'ꯑꯣꯊ ꯀꯃꯤꯁꯅꯔ' ꯑꯃꯅ ꯚꯦꯔꯤꯐꯥꯏ ꯇꯧꯔꯛꯀꯗꯧꯔꯤꯕꯅꯤ꯫ ꯁꯣꯏꯅꯤꯡ-

ꯂꯥꯟꯅꯤꯡꯉꯥꯏ ꯌꯥꯎꯗꯦ꯫ ꯑꯗꯨꯕꯨ ꯁ꯭ꯀ꯭ꯔꯨꯇꯤꯅꯤꯗ ꯂꯝꯕꯥ ꯇꯧꯅꯔꯛꯀꯗꯕ ꯃꯦꯟꯗꯤꯗꯦꯠꯁꯤꯡꯒꯤ
ꯃꯔꯛꯇꯒꯤ ꯋꯥꯌꯦꯠ ꯇꯧꯅꯔꯛꯄ ꯌꯥꯎꯏ꯫ ꯃꯗꯨꯅ ꯋꯥꯔꯨ-ꯅꯨꯡꯖꯨ ꯊꯣꯛꯅꯩ꯫ ꯑꯗꯨꯒ
ꯁ꯭ꯀ꯭ꯔꯨꯇꯤꯅꯤꯒꯤ ꯃꯇꯝꯗ ꯇꯧꯍꯧꯗ꯭ꯔꯕꯁꯨ ꯁꯦꯔꯥꯟ-ꯇꯨꯔꯥꯟ ꯍꯥꯏꯖꯤꯟꯕ ꯌꯥꯎꯔꯦ
ꯈꯪꯂꯒꯗꯤ ꯏꯂꯦꯛꯁꯟ ꯔꯤꯖꯜꯠ ꯂꯥꯎꯊꯣꯛꯈ꯭ꯔꯕ ꯃꯇꯨꯡꯗ ꯐꯥꯎꯕ ꯂꯣ ꯀꯣꯔꯠꯁꯤꯡꯗ
ꯏꯂꯦꯛꯁꯟ ꯄꯤꯇꯤꯁꯟꯁꯤꯡ ꯐꯥꯏꯜ ꯇꯧꯗꯨꯅ ꯆꯦꯂꯦꯟꯖ ꯇꯧꯅꯔꯛꯄ ꯌꯥꯎꯏ꯫ ꯑꯗꯨꯕꯨ
ꯃꯁꯥ-ꯃꯁꯥꯅ ꯀꯦꯟꯗꯤꯗꯦꯠ ꯑꯣꯏꯅꯕꯒꯤ ꯄ꯭ꯔꯄꯣꯖꯔ ꯑꯃꯅ ꯅꯠꯇ꯭ꯔꯒ ꯈꯔꯅ ꯄ꯭ꯔꯄꯣꯖ
ꯇꯧꯅꯔꯛꯇꯨꯅ ꯄꯤꯁꯤꯟꯅꯔꯛꯂꯤꯕ ꯅꯣꯃꯤꯅꯦꯁꯟ ꯄꯦꯄꯔꯁꯤꯡꯗ ꯃꯦꯟꯁꯤꯟꯅꯔꯛꯂꯤꯕ
ꯑꯦꯁꯦꯠꯁꯤꯡ ꯑꯁꯤꯕꯨ ꯑꯆꯨꯝꯕ ꯑꯁꯦꯡꯕ ꯉꯥꯛꯇ ꯑꯣꯏꯔꯒꯗ꯭ꯔ ꯍꯥꯏꯕꯒꯤ
ꯋꯥꯅꯤ꯫ ꯍꯥꯟꯅꯗꯒꯤ ꯃꯁꯥ-ꯃꯁꯥꯒꯤ ꯃꯤꯡꯗ, ꯃꯁꯥꯒꯤ ꯂꯣꯏꯅꯕꯤꯒꯤ ꯃꯤꯡꯗ ꯕꯦꯡꯛ
ꯑꯦꯀꯥꯎꯟꯠꯁꯤꯡ ꯂꯩꯔꯕꯁꯨ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯒꯗꯧꯔꯤꯕ ꯃꯤꯈꯜꯁꯤꯒꯤꯗꯃꯛ ꯇꯣꯉꯥꯟꯕ
ꯕꯦꯡꯛ ꯑꯦꯀꯥꯎꯟꯠ ꯑꯃ ꯍꯥꯡꯗꯕ ꯌꯥꯗ꯭ꯔꯤ꯫ ꯃꯁꯤ ꯈꯛꯀꯤ ꯋꯥꯐꯝ ꯅꯠꯇꯅ ꯃꯤꯔꯦꯞ
ꯆꯦ ꯄꯤꯁꯤꯟꯅꯔꯛꯄ ꯍꯥꯞꯂꯛꯀꯗꯕ ꯃꯆꯥꯛ ꯄꯨꯝꯅꯃꯛ ꯌꯥꯎꯍꯟꯅꯔꯛꯂꯤꯕꯅꯤ꯫
ꯏ ꯁꯤ ꯑꯥꯏꯅꯁꯨ ꯏꯁꯦꯝꯕ꯭ꯂꯤ ꯏꯂꯦꯛꯁꯟꯒꯤ ꯃꯤꯔꯦꯞ ꯑꯃꯅ ꯂꯨꯄꯥ ꯑꯁꯨꯛꯇꯒꯤ
ꯑꯁꯨꯛ ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯆꯥꯗꯤꯡ ꯇꯧꯕ ꯌꯥꯏ ꯍꯥꯏꯕꯒꯤ ꯄꯥꯟꯗꯝ ꯑꯃꯁꯨ ꯂꯥꯛꯂꯤꯕꯅꯤ꯫
ꯐꯤꯚꯝꯁꯤ ꯄꯥꯔꯂꯤꯌꯥꯃꯦꯟꯇꯔꯤ ꯏꯂꯦꯛꯁꯟꯒꯤꯁꯨ ꯆꯞ ꯃꯥꯟꯅꯅ ꯄꯤꯔꯤꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ
ꯄꯨꯝꯅꯃꯛꯁꯤꯅ ꯃꯁꯤ ꯑꯣꯏꯖꯈ꯭ꯔꯕꯁꯨ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯒꯗꯕꯁꯤꯡꯅ ꯄꯤꯁꯤꯟꯅꯔꯛꯂꯤꯕ
ꯃꯈꯣꯏꯒꯤ ꯃꯤꯔꯦꯞ ꯆꯦꯁꯤꯡꯗ ꯄꯟꯅꯔꯛꯂꯤꯕ ꯂꯟ-ꯊꯨꯝꯒꯤ ꯆꯥꯡꯁꯤꯡ ꯑꯁꯤꯕꯨ
ꯃꯁꯤꯈꯛꯇ ꯑꯣꯏꯒꯗ꯭ꯔ, ꯆꯨꯝꯂꯒꯗ꯭ꯔ ꯍꯥꯏꯕꯁꯤꯃꯗꯤ ꯃꯤꯈꯜ ꯈꯨꯗꯤꯡꯒꯤ ꯄꯥꯎꯈꯨꯝ
ꯐꯪꯗꯕ ꯋꯥꯍꯪꯁꯤꯡ ꯑꯗꯨꯝꯃꯛ ꯑꯣꯏꯔꯤ꯫ ꯔꯨꯜꯒꯤ ꯃꯇꯨꯡꯏꯟꯅ ꯆꯦ-ꯆꯥꯡꯗꯗꯤ ꯐꯤꯚꯝ
ꯑꯗꯨꯝꯃꯛ ꯀꯥꯏꯗꯕ ꯑꯗꯨꯝꯃꯛ ꯆꯨꯝꯕ ꯃꯥꯟꯕ, ꯅꯥꯀꯜ ꯑꯅꯤꯃꯛꯅꯁꯨ ꯌꯥꯅꯕ ꯑꯗꯨꯒ
ꯃꯅꯨꯡ-ꯊꯤꯠꯅ ꯌꯦꯡꯁꯤꯜꯂꯨꯔꯒꯅ ꯍꯦꯛꯇ ꯇꯥꯏꯑꯣꯟꯅꯕꯒꯤ ꯐꯤꯚꯝꯁꯤꯡ ꯊꯣꯛꯏ꯫
ꯁꯟꯅ ꯎꯔꯣꯛꯊꯣꯡ ꯂꯥꯟꯕ ꯎꯔꯕꯁꯨ ꯎꯗꯦ ꯍꯥꯏꯌꯨ ꯍꯥꯏꯕꯗꯨꯒꯤ ꯐꯤꯚꯝꯗ ꯑꯗꯨꯝꯃꯛ
ꯂꯩ꯫ ꯑꯆꯨꯝꯕ ꯑꯁꯦꯡꯕ ꯑꯣꯏꯔꯝꯒꯗꯕ ꯃꯥꯟꯗꯦ, ꯑꯣꯏꯔꯝꯂꯣꯏ ꯍꯥꯏꯕ ꯇꯥꯔꯕꯁꯨ
ꯅꯠꯇ꯭ꯔꯒꯅ ꯆꯞ ꯆꯥꯅ ꯈꯪꯂꯒꯁꯨ ꯃꯗꯨꯒꯤ ꯃꯇꯤꯛ ꯆꯥꯕ ꯏꯚꯤꯗꯦꯟꯁ ꯂꯩꯔꯣꯏ,
ꯂꯩꯔꯕꯁꯨ ꯄꯨꯊꯣꯛꯅꯔꯛꯂꯣꯏ, ꯃꯤ ꯑꯣꯏꯅꯁꯨ ꯆꯣꯡꯊꯣꯛꯅꯔꯛꯂꯣꯏ꯫ ꯄꯣꯁꯇꯔ/
ꯁꯤꯝꯕꯣꯜ ꯅꯝꯕꯗ ꯏꯂꯦꯛꯁꯟ ꯑꯦꯛꯁꯄꯦꯟꯗꯤꯆꯔꯒꯤ ꯆꯥꯡ ꯑꯃ ꯂꯦꯞꯄꯅꯤꯅ
ꯀꯣꯄꯤ ꯂꯤꯁꯤꯡ 10/20 ꯅꯝꯂꯕꯁꯨ ꯁꯨꯞꯅꯇꯒꯤ 500 ꯈꯛꯇꯃꯛ ꯅꯝꯃꯤ ꯍꯥꯏꯗꯨꯅ
ꯊꯥꯖꯤꯟꯕ, ꯅꯝꯐꯝ ꯄ꯭ꯔꯦꯁꯇꯒꯤ ꯍꯟꯊꯍꯜꯂꯕ ꯃꯁꯤꯡꯗꯨꯒꯤ ꯔꯤꯁꯤꯞꯠ ꯂꯧꯔꯒꯗꯤ
ꯑꯃꯁꯨ ꯑꯃꯁꯨ ꯍꯦꯛꯇ ꯌꯥꯅꯩ꯫ ꯃꯅꯥ-ꯃꯅꯤꯜ ꯅꯥꯏꯅꯗꯦ꯫ ꯃꯁꯤ ꯃꯇꯝ ꯀꯨꯏꯅꯗꯒꯤ
ꯂꯩꯔꯛꯂꯕ ꯃꯄꯥꯟꯊꯣꯡꯒꯤ ꯑꯣꯏꯕ ꯆꯠꯅꯕꯤꯅꯤ꯫ ꯉꯁꯤꯁꯨ ꯆꯠꯅꯔꯤ, ꯃꯇꯨꯡꯗꯁꯨ
ꯆꯠꯅꯈꯤꯅꯤ꯫ ꯁ꯭ꯄꯦꯁꯜ ꯅꯠꯇ꯭ꯔꯒ ꯃꯥꯏꯀ꯭ꯔꯣ ꯑꯣꯕꯖꯥꯔꯚꯔꯁꯤꯡ ꯍꯥꯞꯄ, ꯚꯤꯗꯤꯎ
ꯀꯦꯃꯦꯔꯥ ꯂꯝꯄꯥꯛ ꯑꯃ ꯈꯤꯟꯕꯗꯨꯅ ꯌꯥꯔꯣꯏ꯫ ꯍꯪꯒꯥꯝ ꯄꯣꯜꯂꯥꯡꯒꯨꯝꯕ ꯐꯤꯚꯝꯗꯤ
ꯑꯗꯨꯝꯃꯛ ꯂꯩꯈꯤꯒꯗꯕ ꯃꯥꯜꯂꯤ꯫ ꯋꯥꯐꯝꯁꯤ ꯍꯦꯟꯖꯤꯟꯅ ꯍꯥꯏꯖꯤꯟꯕ ꯑꯣꯏꯔꯣꯏ꯫

AeditoriyeL IMPHAL, WEDNESDAY, FEBRUARY 09, 2022 yuMskEs, faIreNgi 08 ni paNb, maliya kuMsiZ 3419 obT\lE mkEwkB 2 HUEIYEN LANPAO

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ ꯂꯤꯇꯔꯦꯔꯤ ꯀ꯭ꯋꯤꯖ-35
1) ‘‘ꯆꯥꯎꯕꯤ’’ ꯍꯥꯏꯕ 1957 ꯇ ꯑꯍꯥꯟꯕ ꯑꯣꯏꯅꯐꯣꯡꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤꯒꯤ
ꯑꯏꯕ ꯀꯅꯥꯅꯣ ꯑꯃꯁꯨꯡ ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ?
2) ‘‘ꯀꯥꯎꯔꯕꯔ ꯔꯥꯁ ꯁꯥꯟꯅꯕꯒꯤ ꯑꯍꯤꯡꯗꯣ’’ ꯍꯥꯏꯕ ꯗ꯭ꯔꯥꯃꯥ ꯑꯁꯤ ꯗ꯭ꯔꯥꯃꯥ
ꯑꯍꯨꯝꯒꯤ ꯄꯨꯟꯁꯤꯟꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯃꯗ ꯌꯥꯎꯕꯅꯤ꯫ ꯌꯥꯎꯔꯤꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯗꯨ
ꯃꯃꯤꯡ ꯀꯔꯤ ꯀꯧꯕꯒꯦ ꯑꯃꯁꯨꯡ ꯑꯏꯕꯅ ꯀꯅꯥꯅꯣ?
3) ‘‘ꯄ꯭ꯔꯜꯂꯣꯏꯒꯤ ꯃꯩꯔꯤꯔꯛꯇꯒꯤ’’ ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯅꯥꯅ ꯏꯕꯅꯣ ꯑꯃꯗꯤ
ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ?

4) ‘‘ꯃꯅꯤꯄꯨꯔ ꯁ꯭ꯔꯤꯒꯣꯕꯤꯟꯗ ꯅꯤꯔꯄꯟ (ꯃꯩꯇꯩ ꯄꯨꯔꯥꯟꯒꯤ ꯋꯥ)’’ ꯍꯥꯏꯕ
ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤꯒꯤ ꯑꯏꯕ ꯀꯅꯥꯅꯣ?
5) ‘‘ꯁ꯭ꯔꯤ ꯒꯣꯕꯤꯟꯗꯂꯤꯂꯥꯃ꯭ꯔꯤꯇ (ꯃꯙ꯭ꯌꯥꯟꯍ ꯂꯤꯂꯥ)’’ (14 ꯁꯔꯒ 18 ꯁꯔꯒ) ꯍꯥꯏꯕ
ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯅꯥꯅ ꯃꯅꯤꯄꯨꯔꯤꯗ ꯍꯟꯗꯣꯛꯄꯅꯣ?

ꯃꯊꯛꯇ ꯄꯤꯔꯤꯕ ꯋꯥꯍꯪꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯄꯥꯎꯈꯨꯝ ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤ 15, ꯂꯩꯕꯥꯛꯄꯣꯛꯄ
ꯅꯨꯃꯤꯠꯀꯤ ꯑꯌꯨꯛ ꯄꯨꯡ 11 ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯑꯣꯐꯤꯁꯇ ꯅꯠꯇ꯭ꯔꯒ ꯏ-ꯃꯦꯜ
hueiyenliteraryquiz@gmail.com ꯁꯤꯗ ꯃꯦꯜ ꯑꯣꯏꯅ ꯊꯥꯕꯤꯔꯛꯄ ꯌꯥꯒꯅꯤ꯫
ꯄꯥꯎꯈꯨꯝ ꯄꯤꯕꯤꯔꯛꯄ/ꯊꯥꯕꯤꯔꯛꯄ ꯃꯇꯝꯗ ꯃꯤꯡ, ꯂꯩꯐꯝ, ꯃꯍꯩꯒꯤ ꯊꯥꯛ ꯑꯃꯁꯨꯡ ꯀꯟꯇꯦꯛꯠ
ꯅꯝꯕꯔ ꯃꯌꯦꯛ ꯁꯦꯡꯅ ꯏꯕꯤꯔꯛꯎ꯫ ꯋꯥꯍꯪ ꯈꯨꯗꯤꯡꯃꯛꯀꯤ ꯄꯥꯎꯈꯨꯝ ꯑꯃ ꯅꯠꯇ꯭ꯔꯒ ꯃꯁꯤꯡ ꯌꯥꯝꯅ
ꯆꯨꯝꯅ ꯄꯤꯕꯤꯔꯛꯄ ꯃꯤꯑꯣꯏꯁꯤꯡ ꯑꯗꯨꯗꯒꯤ ꯗ꯭ꯔꯣ ꯑꯣꯠꯆꯔꯒ ꯂꯥꯏꯕꯛ ꯐꯕ ꯃꯤꯁꯛ ꯑꯃ ꯈꯟꯖꯒꯅꯤ꯫
ꯂꯣꯏꯅꯅ ꯈꯜꯂꯕ ꯃꯤꯁꯛ ꯑꯗꯨꯗ ꯃꯅꯥ ꯄꯤꯖꯒꯅꯤ꯫

ꯌꯨꯝ ꯈꯨꯗꯤꯡꯃꯛꯇ ꯂꯩꯔꯤꯕ ꯆꯨꯝ ꯍꯥꯏꯅ ꯈꯪꯅꯔꯤꯕ ꯖꯤꯕ ꯑꯁꯤꯒꯤ ꯃꯃꯩꯁꯤ ꯀꯔꯤꯒꯨꯝꯕ ꯊꯧꯗꯣꯛ ꯑꯃꯗꯒꯤ ꯇꯠꯈ꯭ꯔꯕꯁꯨ ꯃꯍꯧꯁꯥꯒꯤ ꯑꯣꯏꯕ ꯊꯧꯑꯣꯡꯅ ꯃꯔꯣꯝꯗꯣꯝ ꯑꯃꯨꯛ ꯍꯧꯒꯠꯆꯔꯛꯇꯨꯅ ꯑꯅꯧꯕ ꯃꯃꯩ ꯑꯃ ꯁꯦꯝꯂꯛꯀꯅꯤ꯫ ꯃꯁꯤꯕꯨ ꯔꯤꯖꯦꯅꯔꯦꯁꯟ ꯍꯥꯏꯅ ꯈꯪꯅꯩ꯫ ꯔꯤꯖꯦꯅꯔꯦꯁꯟ ꯇꯧꯕ ꯉꯝꯕ ꯁꯥ ꯀꯌꯥꯃꯨꯛ ꯂꯩ꯫ ꯇꯤꯟꯊ꯭ꯔꯣꯛ, ꯁ꯭ꯇꯥꯔ ꯐꯤꯁ, ꯍꯥꯏꯗ꯭ꯔꯥꯒꯨꯝꯕ ꯖꯤꯕꯁꯤꯡꯁꯨ ꯔꯤꯖꯦꯅꯔꯦꯠ ꯇꯧꯕ ꯉꯝꯃꯤ꯫ ꯐ꯭ꯂꯦꯠꯋꯥꯔꯝ ꯍꯥꯏꯔꯤꯕ ꯖꯤꯕ ꯑꯁꯤꯗꯤ ꯃꯇꯠ ꯑꯅꯤ ꯊꯣꯛꯅ ꯀꯛꯊꯠꯂꯕꯁꯨ ꯃꯇꯠ ꯑꯅꯤꯗꯨꯅ ꯔꯤꯖꯦꯅꯔꯦꯠ ꯇꯧꯔꯛꯇꯨꯅ ꯐ꯭ꯂꯦꯠꯋꯥꯔꯝ ꯑꯅꯤ ꯑꯣꯏꯔꯛꯄ ꯉꯝꯃꯤ꯫ ꯃꯤꯑꯣꯏꯕ ꯑꯩꯈꯣꯏꯁꯨ ꯑꯁꯤꯒꯨꯝꯕ ꯖꯤꯕꯁꯤꯡꯒꯨꯝꯅ ꯃꯄꯨꯡ ꯐꯥꯅ ꯔꯤꯖꯦꯅꯔꯦꯠ ꯇꯧꯕ ꯉꯝꯗ꯭ꯔꯕꯁꯨ ꯎꯟꯁꯥ, ꯁꯔꯨ ꯑꯃꯁꯨꯡ ꯐꯤꯔꯥꯛꯀꯨꯝꯕ ꯀꯌꯥꯠ ꯈꯔꯗꯤ ꯔꯤꯖꯦꯅꯔꯦꯠ ꯇꯧꯕ ꯉꯝꯃꯤ꯫ ꯇꯦꯛꯈ꯭ꯔꯕ ꯁꯔꯨ, ꯇꯠꯂꯕ ꯎꯟꯁꯥꯅ ꯃꯔꯣꯝꯗꯣꯝ ꯔꯤꯖꯦꯅꯔꯦꯠ ꯇꯧꯔꯛꯇꯨꯅ ꯁꯧꯖꯤꯟꯅꯈꯤꯕ ꯉꯝꯃꯤ꯫ ꯑꯗꯨꯕꯨ ꯈꯨꯠ, ꯈꯨꯠꯁꯥ, ꯈꯣꯡ ꯑꯃꯁꯨꯡ ꯈꯣꯡꯁꯥꯅ ꯇꯠꯈ꯭ꯔꯕꯗ ꯑꯃꯨꯛ ꯍꯟꯅ ꯍꯧꯒꯠꯆꯔꯛꯄ ꯉꯝꯗꯦ꯫ ꯇꯠꯈ꯭ꯔꯕ ꯍꯉꯣꯏꯒꯤ ꯃꯈꯣꯡꯁꯨ ꯃꯍꯧꯁꯥꯒꯤ ꯑꯣꯏꯕ ꯊꯧꯑꯣꯡꯅ ꯍꯧꯒꯠꯆꯔꯛꯄ ꯉꯝꯗꯦ꯫ [rbqb Tufts University [aKbi Harvard University xg Wyss Institute sg ꯁꯥꯏꯟꯇꯤꯁꯠꯁꯤꯡꯅ ꯇꯠꯈ꯭ꯔꯕ ꯍꯉꯣꯏ ꯑꯃꯒꯤ ꯃꯈꯣꯡꯕꯨ ꯍꯤꯗꯥꯛ ꯃꯉꯥ ꯄꯨꯟꯁꯤꯟꯅꯔꯒ ꯊꯥꯕꯗ ꯅꯧꯅ ꯍꯧꯒꯠꯍꯜꯂꯛꯄ ꯉꯝꯈ꯭ꯔꯦ ꯍꯥꯏꯅ 'ꯁꯥꯏꯟꯁ ꯑꯦꯗꯚꯥꯟꯁꯦꯁ' (ꯖꯅ꯭ꯌꯨꯋꯥꯔꯤ 26, 2022) ꯗ ꯐꯣꯡꯗꯣꯔꯛꯈ꯭ꯔꯦ꯫

ꯖꯣꯟꯁ ꯍꯣꯞꯀꯤꯟꯁ ꯃꯦꯗꯤꯁꯤꯟꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯅ ꯁꯔꯖꯔꯤ ꯇꯧꯔꯒ ꯈꯣꯡ, ꯈꯣꯡꯁꯥ ꯅꯠꯇ꯭ꯔꯒ ꯈꯨꯠ, ꯈꯨꯠꯁꯥ ꯀꯛꯈ꯭ꯔꯕ ꯃꯤꯁꯤꯡꯒꯤ 45% ꯅ ꯇ꯭ꯔꯣꯃꯥꯇꯤꯛ ꯏꯟꯖꯨꯔꯤ, 54% ꯅ ꯚꯥꯁꯀꯨꯂꯔ ꯗꯤꯖꯤꯖ ꯑꯃꯁꯨꯡ ꯗꯥꯏꯕꯦꯇꯤꯁ, ꯄꯦꯔꯤꯐꯔꯦꯜ ꯑꯥꯔꯇꯤꯑꯜ ꯗꯤꯖꯤ (ꯄꯤ ꯑꯦ ꯗꯤ) ꯒꯨꯝꯕ ꯑꯅꯥꯕꯁꯤꯡ, 2% ꯅ ꯀꯦꯟꯁꯔꯒ ꯃꯔꯤ ꯂꯩꯅꯩ ꯍꯥꯏꯅ ꯐꯣꯡꯗꯣꯛꯂꯤ꯫ ꯃꯦꯅꯤꯟꯖꯥꯏꯇꯤꯁꯀꯨꯝꯕ ꯁꯥꯊꯤꯕ ꯏꯟꯐꯦꯛꯁꯟꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯑꯦꯛꯁꯤꯗꯦꯟꯠꯁꯤꯡꯅ ꯃꯔꯝ ꯑꯣꯏꯔꯒ ꯈꯣꯡ-ꯈꯨꯠ ꯀꯛꯈꯤꯕꯁꯨ ꯌꯥꯎꯏ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯃꯤꯁꯤꯡꯅ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯈꯣꯡ-ꯈꯨꯠ ꯍꯥꯞꯄ ꯌꯥꯏ ꯑꯗꯨꯕꯨ ꯈꯣꯡ-ꯈꯨꯠꯄꯨ ꯅꯧꯅ ꯍꯧꯍꯜꯂꯛꯄ ꯍꯥꯏꯕꯁꯤꯗꯤ ꯃꯪ ꯑꯃ ꯑꯣꯏꯗꯨꯅ ꯂꯥꯛꯂꯤ꯫ ꯑꯗꯨꯕꯨ ꯃꯁꯤꯒꯤ ꯃꯪꯐꯥꯎꯅꯕꯒꯤ ꯃꯇꯝꯁꯤ ꯂꯥꯛꯄ ꯌꯥꯅ ꯂꯩꯔꯦ꯫
ꯍꯉꯣꯏ ꯍꯥꯏꯕ ꯖꯤꯕ ꯑꯁꯤꯒꯤ ꯃꯈꯣꯡ ꯇꯠꯈ꯭ꯔꯕꯗꯤ, ꯃꯈꯣꯡꯗꯨ ꯃꯔꯣꯝꯗꯣꯝ ꯔꯤꯖꯦꯅꯔꯦꯠ ꯇꯧꯔꯛꯄ ꯉꯝꯗꯦ꯫ ꯑꯗꯨꯕꯨ Tufts ꯔꯤꯁꯔꯁꯔꯁꯤꯡꯅ ꯑꯐ꯭ꯔꯤꯀꯥꯟ ꯀ꯭ꯂꯣꯗ ꯐ꯭ꯔꯣꯒ (Xenopus ꯦꯃꯅꯆꯡꯀ) ꯀꯤ ꯀꯛꯊꯠꯈ꯭ꯔꯕ ꯃꯈꯣꯡꯒꯤ ꯁꯔꯨꯛ ꯑꯗꯨꯕꯨ ꯍꯤꯗꯥꯛ ꯃꯉꯥꯒꯤ ꯌꯥꯟꯁꯤꯟꯅꯕ, ꯁꯤꯜꯛ ꯄ꯭ꯔꯣꯇꯤꯟ ꯖꯦꯜ ꯑꯃ ꯌꯥꯎꯔꯕ ꯎꯡꯍ꯭ꯍꯂꯅ ꯍꯥꯏꯅ ꯈꯪꯅꯕ ꯁꯤꯂꯤꯀꯣꯟ ꯀꯦꯞ (Silicone ꯓꯃꯩ) ꯑꯃꯅ ꯀꯨꯞꯁꯤꯜꯂꯒ ꯔꯤꯖꯦꯅꯔꯦꯠꯀꯤ ꯊꯧꯑꯣꯡ ꯄꯥꯡꯊꯣꯛꯍꯟꯈꯤ꯫ ꯍꯤꯗꯥꯛ ꯈꯨꯗꯤꯡꯃꯛꯅ ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ ꯃꯊꯧ ꯑꯃꯃꯝ ꯄꯥꯡꯊꯣꯛꯏ ꯍꯥꯏꯕꯗꯤ ꯃꯈꯣꯏꯁꯤ ꯏꯟꯐ꯭ꯂꯦꯃꯦꯁꯟ ꯍꯟꯊꯍꯟꯕ, ꯗꯥꯛꯐꯝ ꯂꯩꯍꯟꯗꯅꯕꯒꯤꯗꯃꯛ ꯀꯣꯂꯥꯖꯦꯟ ꯄꯨꯊꯣꯛꯄ ꯊꯤꯡꯕ ꯑꯃꯁꯨꯡ ꯅꯔꯚ ꯐꯥꯏꯕꯔꯁꯤꯡ, ꯏ ꯎꯇꯣꯡꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯇꯣꯡꯁꯥꯁꯤꯡ
ꯅꯧꯅ ꯁꯦꯝꯒꯠꯍꯟꯕ ꯉꯝꯕ ꯍꯤꯗꯥꯛꯁꯤꯡꯅꯤ꯫
ꯑꯄꯨꯟꯕ ꯍꯤꯗꯥꯛ ꯑꯃꯁꯨꯡ ꯕꯥꯏꯑꯣꯔꯤꯑꯦꯛꯇꯔꯅ
ꯃꯐꯝꯗꯨꯒꯤ ꯏꯟꯚꯥꯏꯔꯟꯃꯦꯟꯠ ꯑꯃ ꯄꯤ ꯑꯗꯨꯒ
ꯀꯛꯊꯠꯈ꯭ꯔꯕ ꯁꯔꯨꯛ ꯑꯗꯨꯗ ꯁꯤꯒ꯭ꯅꯦꯜꯁꯤꯡ ꯄꯤꯗꯨꯅ
ꯔꯤꯖꯦꯅꯔꯦꯁꯟꯒꯤ ꯊꯕꯛ ꯄꯥꯡꯊꯣꯛꯍꯜꯂꯤ꯫
ꯔꯤꯁꯔꯁꯔꯁꯤꯡꯅ ꯑꯁꯨꯝꯅ ꯂꯥꯌꯦꯡ ꯆꯠꯊꯈꯤꯕ
ꯍꯉꯣꯏꯁꯤꯡꯗ ꯇꯤꯁꯨꯁꯤꯡꯅ ꯑꯉꯛꯄ ꯃꯑꯣꯡꯗ
ꯍꯧꯒꯠꯂꯛꯄꯗꯨ ꯊꯦꯡꯅꯈꯤ, ꯑꯗꯨꯒ ꯃꯄꯨꯡꯃꯛ ꯐꯥꯅ
ꯃꯊꯧ ꯇꯥꯕ ꯉꯝꯕ ꯃꯈꯣꯡꯁꯤꯡ ꯑꯣꯏꯔꯛꯂꯝꯃꯤ꯫ ꯅꯧꯅ
ꯍꯧꯒꯠꯂꯛꯂꯤꯕ ꯃꯈꯣꯡꯁꯤꯡ ꯑꯗꯨꯒꯤ ꯁꯔꯨꯗꯨ ꯃꯍꯧꯁꯥ
ꯍꯉꯣꯏ ꯑꯃꯅ ꯆꯥꯎꯈꯠꯆꯔꯛꯄꯗ ꯁꯦꯝꯂꯛꯄ
ꯃꯈꯣꯡꯒꯤ ꯁꯔꯨ ꯑꯗꯨꯒ ꯌꯥꯝꯅ ꯃꯥꯟꯅꯔꯝꯃꯤ꯫
ꯃꯈꯣꯡꯁꯤꯡ ꯑꯗꯨꯒꯤ ꯈꯣꯡꯁꯥꯁꯤꯡꯁꯨ ꯍꯧꯒꯠꯂꯛꯄ
ꯊꯦꯡꯅꯈꯤ ꯑꯗꯨꯕꯨ ꯈꯣꯡꯁꯥꯁꯤꯡꯗꯨꯗ ꯁꯔꯨꯗꯤ
ꯌꯥꯎꯔꯛꯂꯝꯗꯦ꯫ ꯑꯁꯨꯝꯅ ꯍꯧꯒꯠꯂꯛꯂꯤꯕ ꯃꯈꯣꯡꯁꯤꯡ ꯑꯗꯨꯅ ꯂꯦꯡ-ꯑꯣꯠꯄ ꯉꯝꯕꯗ ꯅꯠꯇꯅ ꯁꯣꯛꯄ, ꯃꯩꯁꯥꯒꯨꯝꯕ ꯁ꯭ꯇꯤꯃꯨꯂꯤꯁꯤꯡꯗꯁꯨ ꯄꯥꯎꯈꯨꯝ ꯄꯤꯔꯝꯃꯤ꯫ ꯍꯉꯣꯏꯁꯤꯡ ꯑꯗꯨꯅ ꯅꯧꯅ ꯍꯧꯒꯠꯂꯛꯂꯤꯕ ꯃꯈꯣꯡꯁꯤꯡ ꯁꯤꯖꯤꯟꯅꯔꯒ ꯏꯁꯤꯡꯗ ꯏꯔꯣꯏꯕꯁꯨ ꯉꯝꯃꯤ꯫ Tufts sg Allen Discovery Centre xg Nirosha Murugan e WOirOdwxg ꯃꯇꯨꯡ ꯏꯟꯅ ꯍꯤꯗꯥꯛꯁꯤꯡ ꯑꯗꯨꯅ ꯊꯥ ꯑꯃꯃꯨꯛ ꯔꯤꯖꯦꯅꯔꯦꯁꯟꯒꯤ ꯊꯧꯑꯣꯡꯁꯤꯡ
ꯆꯠꯊꯍꯟꯈ꯭ꯔꯕ ꯃꯇꯨꯡꯗꯒꯤꯗꯤ ꯍꯉꯣꯏꯁꯤꯡꯗꯨꯅ ꯔꯤꯖꯦꯅꯔꯦꯁꯟꯒꯤ ꯊꯧꯑꯣꯡꯗꯨ ꯃꯔꯣꯝꯗꯣꯝ ꯃꯈꯥ ꯆꯠꯊꯍꯟꯖꯈꯤ ꯍꯥꯏꯔꯤ꯫

ꯔꯤꯁꯔꯁꯔꯁꯤꯡꯅ ꯍꯤꯗꯥꯛꯁꯤꯡꯗꯨꯅ ꯊꯥ ꯑꯃꯃꯨꯛ ꯔꯤꯖꯦꯅꯔꯦꯁꯟꯒꯤ ꯊꯧꯑꯣꯡꯗꯨꯕꯨ ꯊꯣꯛꯍꯟꯈ꯭ꯔꯕ ꯃꯇꯨꯡꯗ ꯀꯔꯝꯕ ꯃꯦꯀꯥꯅꯤꯖꯝꯁꯤꯡꯅ ꯔꯤꯖꯦꯅꯔꯦꯁꯟꯒꯤ ꯊꯧꯑꯣꯡꯗꯨ ꯃꯈꯥ ꯆꯊꯍꯟꯈꯤꯕꯒꯦ ꯍꯥꯏꯕꯒꯤ ꯃꯇꯥꯡꯗ ꯅꯩꯅꯈꯤ꯫ ꯍꯤꯗꯥꯛ ꯊꯥꯔꯕ ꯃꯇꯨꯡ ꯅꯨꯃꯤꯠ ꯈꯔꯅꯤꯒꯤ ꯃꯅꯨꯡꯗ, ꯑꯦꯝꯕ꯭ꯔꯥꯏꯑꯣ ꯑꯃꯗꯒꯤ ꯃꯄꯨꯡ ꯃꯔꯩ ꯐꯥꯔꯕ ꯍꯉꯣꯏ ꯑꯃ ꯑꯣꯏꯍꯜꯂꯛꯄꯗ ꯗꯔꯀꯥꯔ ꯑꯣꯏꯔꯤꯕ ꯃꯣꯂꯤꯀꯨꯂꯔ ꯄꯥꯊꯋꯦꯁꯤꯡ ꯑꯗꯨꯅ ꯃꯊꯧ ꯇꯧꯔꯛꯄꯗꯨ ꯊꯦꯡꯅꯔꯝꯃꯤ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯄꯥꯊꯋꯦꯁꯤꯡꯅ ꯃꯊꯧ ꯇꯧꯔꯛꯄꯁꯤꯅ ꯃꯈꯣꯡ ꯃꯁꯥꯃꯛꯅ ꯇꯤꯁꯨꯁꯤꯡ ꯁꯦꯝꯂꯛꯄ ꯑꯃꯁꯨꯡ ꯄꯨꯟꯁꯤꯟꯅꯔꯛꯄꯗꯨꯕꯨ ꯂꯥꯛꯁꯤꯟꯕ ꯉꯝꯃꯤ ꯍꯥꯏꯕꯁꯤ ꯑꯦꯝꯕ꯭ꯔꯥꯏꯑꯣꯗ ꯇꯧꯔꯤꯕ ꯊꯧꯑꯣꯡꯗꯨꯃꯛ ꯇꯧꯏ꯫ ꯑꯗꯨꯅ ꯊꯥ ꯀꯌꯥ ꯆꯨꯞꯅ ꯍꯤꯗꯥꯛꯇꯨ ꯊꯥꯕꯒꯤ ꯃꯊꯧ ꯇꯥꯗꯦ ꯍꯥꯏꯔꯤ꯫
ꯃꯍꯧꯁꯥꯅ ꯔꯤꯖꯦꯅꯔꯦꯁꯟ ꯇꯧꯕ ꯉꯝꯕ ꯁꯥꯁꯤꯡꯒꯤ ꯃꯈꯣꯡ ꯑꯃ ꯃꯥꯡꯈ꯭ꯔꯕ ꯃꯇꯨꯡꯗ ꯅꯧꯅ ꯍꯧꯒꯠꯆꯔꯛꯄꯒꯤ ꯑꯍꯥꯟꯕ ꯇꯥꯡꯀꯛꯇ ꯀꯛꯈ꯭ꯔꯤꯕ ꯅꯠꯇ꯭ꯔꯒ ꯃꯥꯡꯈ꯭ꯔꯤꯕ ꯁꯔꯨꯛ ꯑꯗꯨꯗ ꯕ꯭ꯂꯥꯁꯇꯦꯃꯥ ꯍꯥꯏꯅ ꯈꯪꯅꯕ ꯁ꯭ꯇꯦꯝ ꯁꯦꯜꯁꯤꯡꯒꯤ ꯀꯥꯡꯂꯨꯞ ꯑꯃ ꯁꯦꯝꯂꯛꯏ; ꯑꯁꯤꯒꯨꯝꯕ ꯁ꯭ꯇꯦꯝ ꯁꯦꯜꯁꯤꯡꯅ ꯇꯞꯅ-ꯇꯞꯅ ꯁꯦꯝꯒꯠꯆꯔꯛꯇꯨꯅ ꯃꯥꯡꯈ꯭ꯔꯤꯕ ꯍꯛꯆꯥꯡꯒꯤ ꯁꯔꯨꯛ ꯑꯗꯨ ꯅꯧꯅ ꯔꯤꯖꯦꯅꯔꯦꯠ ꯇꯧꯔꯛꯏ꯫ ꯔꯤꯖꯦꯅꯔꯦꯁꯟꯒꯤ ꯊꯧꯑꯣꯡꯁꯤ ꯆꯠꯊꯕ ꯍꯧꯗ꯭ꯔꯤꯉꯩꯒꯤ ꯃꯃꯥꯡꯗ ꯑꯁꯣꯛꯄ ꯃꯐꯝ ꯑꯗꯨꯕꯨ ꯎꯟꯁꯥꯅ ꯀꯨꯞꯁꯤꯟꯍꯟꯗꯨꯅ ꯏꯟꯐꯦꯛꯁꯟꯅꯆꯤꯡꯕ ꯑꯀꯣꯏꯕꯒꯤ ꯐꯤꯚꯝꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯄꯒꯤ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯃꯍꯧꯁꯥꯒꯤ ꯑꯣꯏꯕ ꯊꯧꯑꯣꯡꯗꯗꯤ, ꯁꯥꯁꯤꯡꯅ ꯃꯈꯣꯏꯒꯤ ꯑꯁꯣꯛꯄ ꯃꯐꯝꯗꯨ ꯅꯨꯡꯁꯤꯠ ꯅꯠꯇ꯭ꯔꯒ ꯂꯩꯃꯥꯏꯒ ꯁꯣꯛꯅꯗꯨꯅ ꯂꯩꯕꯅꯤꯅ, ꯎꯟꯁꯥꯅ ꯀꯨꯞꯁꯤꯟꯅꯕ ꯍꯣꯠꯅꯕꯗ ꯆꯌꯣꯜ ꯀꯌꯥꯃꯨꯛ ꯆꯪꯏ꯫ ꯑꯗꯨꯕꯨ ꯎꯡꯍ꯭ꯍꯂꯅ ꯖꯃꯩ ꯁꯤꯖꯤꯟꯅꯕ ꯑꯃꯁꯨꯡ ꯆꯞ ꯆꯥꯕ ꯆꯥꯡꯗ ꯃꯇꯤꯛ ꯆꯥꯔꯕ ꯍꯤꯗꯥꯛꯁꯤꯡ ꯀꯥꯞꯄ ꯃꯇꯝꯗꯗꯤ ꯄꯨꯡ 24 ꯒꯤ
ꯃꯅꯨꯡꯗ ꯑꯁꯣꯛꯄ ꯃꯐꯝ ꯑꯗꯨꯕꯨ ꯎꯟꯁꯥꯒꯤ ꯁꯦꯜꯁꯤꯡꯅ
ꯀꯨꯞꯁꯤꯟꯍꯟꯈꯤꯕ ꯉꯝꯃꯤ ꯍꯥꯏꯅ Tufts ꯀꯤ Stern
Family Professor of Engineering David Kaplan
ꯅ ꯐꯣꯡꯗꯣꯛꯂꯤ꯫
ꯃꯃꯥꯡꯗ ꯄꯥꯡꯊꯣꯛꯈꯤꯕ ꯆꯥꯡꯌꯦꯡꯁꯤꯡꯗ Tufts ꯀꯤ
ꯂꯨꯞ ꯑꯁꯤꯅ ꯎꯡꯍ꯭ꯍꯂꯅ ꯒ ꯂꯣꯏꯅꯅ ꯄ꯭ꯔꯣꯖꯦꯁꯇꯔꯣꯟ
ꯍꯥꯏꯔꯤꯕ ꯍꯤꯗꯥꯛꯁꯤꯡꯈꯛꯇꯪ ꯁꯤꯖꯤꯟꯅꯕꯗ ꯍꯉꯣꯏꯒꯤ
ꯃꯈꯣꯡꯗꯨ ꯍꯧꯒꯠꯍꯟꯕ ꯉꯝꯈꯤ꯫ ꯑꯗꯨꯕꯨ ꯍꯧꯒꯠꯂꯛꯂꯤꯕ
ꯃꯈꯣꯡꯗꯨ ꯃꯍꯧꯁꯥꯒꯤ ꯑꯣꯏꯕ ꯍꯉꯣꯏꯒꯤ ꯃꯈꯣꯡꯒꯨꯝꯅ ꯐꯤꯚꯝ
ꯆꯥꯕꯗꯤ ꯑꯣꯏꯔꯝꯗꯦ꯫ ꯃꯈꯥ ꯇꯥꯔꯛꯄ ꯆꯥꯡꯌꯦꯡꯁꯤꯡꯗ
ꯃꯈꯣꯏꯅ ꯍꯤꯗꯥꯛ ꯃꯉꯥ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯆꯥꯡꯌꯦꯡ
ꯄꯥꯡꯊꯣꯛꯄꯗ ꯃꯥꯏ ꯄꯥꯛꯄꯁꯤ ꯉꯝꯂꯛꯈꯤꯕꯅꯤ꯫
ogrkd aZkrbrg - 1,4-dihydrophenonthrolin-
4-one-3carboxylic acid (1,4-DPCA); brain-
derived neurotrophic factor (BDNF); growth
hormone (GH); resolvin D5 (RD5); "³Îåñ retinoic acid (RA) eg! aSOTxg
ꯃꯈꯥ ꯇꯥꯔꯛꯄ ꯊꯤꯖꯤꯟꯕꯒꯤ ꯊꯕꯛ ꯑꯣꯏꯅ SOA ꯊꯛꯄ ꯖꯤꯕꯁꯤꯡꯗ ꯆꯥꯡ ꯌꯦꯡꯒꯗꯧꯔꯤ꯫
ꯍꯉꯣꯏꯗ ꯃꯥꯏ ꯄꯥꯛꯂꯤꯕ ꯑꯁꯤꯒꯨꯝꯅ SOA ꯊꯛꯄ ꯖꯤꯕꯁꯤꯡꯗꯁꯨ ꯃꯥꯏ ꯄꯥꯛꯂꯕꯗꯤ, ꯀ꯭ꯂꯤꯅꯤꯀꯦꯜ
ꯇ꯭ꯔꯥꯑꯦꯜꯒꯤꯗꯃꯛ ꯊꯤꯖꯤꯟꯒꯅꯤ ꯍꯥꯏꯔꯤ꯫=

ꯍꯤꯗꯥꯛ ꯃꯉꯥꯅ ꯍꯉꯣꯏꯒꯤ ꯃꯈꯣꯡꯕꯨ ꯑꯃꯨꯛ ꯍꯟꯅ ꯍꯧꯍꯜꯂꯛꯄ (ꯈꯣꯡ-ꯈꯨꯠ ꯌꯥꯎꯗ꯭ꯔꯕꯁꯤꯡꯗ ꯄꯤꯔꯛꯄ ꯑꯅꯧꯕ ꯑꯥꯁꯥ)
ꯁꯥꯏꯟꯁꯀꯤ ꯈꯣꯡꯆꯠ
ꯀꯨꯟꯖꯣ ꯅꯥꯎꯔꯦꯝ
16 ꯁꯨꯕ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯒꯦꯝꯁ, ꯃꯦꯜꯕꯣꯔꯟ 1956 # 1
ꯃꯦꯜꯕꯣꯟ ꯑꯣꯁꯇ꯭ꯔꯦꯂꯤꯌꯥꯒꯤ ꯑꯅꯤꯁꯨꯕ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯆꯥꯎꯕ ꯁꯍꯔꯅꯤ꯫ ꯁꯍꯔ ꯑꯁꯤ ꯂꯩꯕꯥꯛ ꯑꯁꯤꯒꯤ
ꯈꯥ ꯅꯣꯡꯄꯣꯛ ꯊꯪꯕ ꯁꯃꯨꯗ꯭ꯔ ꯃꯄꯥꯟꯗ ꯂꯩ꯫ ꯃꯁꯤ ꯚꯤꯛꯇꯣꯔꯤꯌꯥ ꯁ꯭ꯇꯦꯠꯀꯤ ꯀꯣꯅꯨꯡꯅꯤ꯫ ꯁꯍꯔ ꯑꯁꯤꯗ 16 ꯁꯨꯕ ꯀꯥꯂꯦꯟ ꯊꯥꯒꯤ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯒꯦꯝꯁ ꯀꯨꯝꯖꯥ 1956 ꯀꯤ ꯅꯚꯦꯝꯕꯔ ꯊꯥꯗ ꯄꯥꯡꯊꯣꯛꯂꯝꯃꯤ꯫ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯑꯁꯤ ꯃꯥꯂꯦꯝꯒꯤ ꯃꯈꯥ ꯊꯪꯕ ꯁꯔꯨꯛꯇ ꯍꯥꯏꯕꯗꯤ ꯏꯀ꯭ꯋꯦꯇꯔꯒꯤ ꯃꯈꯥ ꯊꯪꯕ ꯁꯔꯨꯛꯇ ꯄꯥꯡꯊꯣꯛꯄ ꯑꯍꯥꯟꯕ ꯒꯦꯝꯁꯅꯤ꯫ ꯃꯔꯝ ꯑꯗꯨꯅ ꯖꯨꯂꯥꯏ-ꯑꯣꯒꯁꯠꯇ ꯄꯥꯡꯊꯣꯛꯀꯗꯕ ꯒꯦꯝꯁ ꯑꯁꯤ ꯃꯈꯥ ꯊꯪꯕ ꯃꯥꯂꯦꯝꯒꯤ ꯇꯪꯈꯥꯏꯗꯗꯤ ꯅꯚꯦꯝꯕꯔ-ꯗꯤꯁꯦꯝꯕꯔꯗ ꯀꯥꯂꯦꯟ ꯑꯣꯏꯕ ꯃꯔꯝꯅ ꯃꯇꯝ ꯑꯁꯤꯗ ꯒꯦꯝꯁ ꯑꯁꯤ ꯄꯥꯡꯊꯣꯛꯂꯝꯃꯤ꯫
16 ꯁꯨꯕ ꯒꯦꯝꯁ ꯑꯁꯤꯕꯨ ꯌꯨꯝꯕꯨ ꯑꯣꯏꯖꯒꯦ ꯍꯥꯏꯗꯨꯅ ꯁꯍꯔ ꯃꯥꯄꯜꯅ ꯆꯦ ꯊꯥꯔꯛꯂꯝꯃꯤ ꯃꯗꯨꯗ ꯔꯣꯝ ꯁꯍꯔꯗ ꯀꯨꯝꯖꯥ 1949 ꯒꯤ ꯑꯦꯄ꯭ꯔꯤꯜ 28 ꯗ ꯐꯝꯈꯤꯕ 43 ꯁꯨꯕ ꯏꯟꯇꯔꯅꯦꯁꯅꯜ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯀꯃꯤꯇꯤꯒꯤ ꯃꯤꯐꯝꯗ ꯚꯣꯠ ꯂꯧꯅꯕꯗ ꯃꯦꯜꯕꯣꯔꯟꯅ ꯕꯨꯑꯦꯅꯣꯁ ꯑꯥꯏꯔꯤꯁꯇꯒꯤ ꯚꯣꯠ ꯑꯃꯈꯛꯇ ꯍꯦꯟꯗꯨꯅ ꯁꯍꯔ ꯑꯁꯤꯗ ꯒꯦꯝꯁ ꯑꯁꯤ ꯄꯥꯡꯊꯣꯛꯅꯕ ꯑꯌꯥꯕ ꯄꯤꯈꯤ꯫ ꯒꯦꯝꯁ ꯑꯁꯤꯗ ꯌꯨꯝꯕꯨ ꯑꯣꯏꯅꯤꯡꯗꯨꯅ ꯆꯦ ꯊꯥꯔꯛꯈꯤꯕꯁꯤꯡꯗꯤ ꯃꯦꯜꯕꯣꯔꯟ, ꯕꯨꯑꯦꯅꯣꯁ ꯑꯥꯏꯔꯤꯁ, ꯂꯣꯁ ꯑꯦꯟꯖꯦꯂꯤꯁ, ꯗꯤꯇ꯭ꯔꯣꯏꯠ, ꯃꯦꯛꯁꯤꯀꯣ, ꯃꯤꯅꯤꯄꯣꯂꯤꯁ, ꯁꯦꯟꯠꯄꯥꯜ, ꯐꯤꯂꯥꯗꯦꯜꯐꯤꯌꯥ, ꯁꯦꯟ ꯐ꯭ꯔꯥꯟꯁꯤꯁꯀꯣ ꯑꯃꯁꯨꯡ ꯆꯤꯀꯥꯒꯣꯅꯤ꯫
ꯑꯣꯁꯇ꯭ꯔꯦꯂꯤꯌꯥꯒꯤ ꯑꯥꯏꯟ ꯃꯇꯨꯡ ꯏꯟꯅ ꯑꯇꯣꯞꯄ ꯂꯩꯕꯥꯛꯁꯤꯡꯗꯒꯤ ꯁꯥ-ꯁꯟ ꯂꯩꯕꯥꯛ ꯑꯁꯤꯗ ꯄꯨꯁꯤꯜꯂꯛꯄ ꯌꯥꯔꯝꯗꯦ꯫ ꯃꯁꯤꯕꯨ Quarantine Law ꯍꯥꯏꯅ ꯈꯪꯅꯩ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯏꯀ꯭ꯋꯦꯁꯇꯔꯤꯌ ꯟꯒꯤ ꯊꯧꯔꯝꯁꯤꯡꯗꯤ ꯁ꯭ꯋꯤꯗꯦꯟꯒꯤ ꯀꯣꯅꯨꯡ ꯁ꯭ꯇꯣꯛꯍꯣꯝꯗ ꯄꯥꯡꯊꯣꯛꯂꯝꯃꯤ꯫ ꯃꯁꯤ ꯑꯣꯂꯤꯝꯄꯤꯛꯀꯤ ꯆꯥꯔꯇꯔꯒꯤ ꯋꯥꯡꯃꯗꯅꯤ꯫ ꯃꯔꯝꯗꯤ ꯑꯣꯂꯤꯝꯄꯤꯛꯀꯤ ꯊꯧꯔꯝ ꯑꯄꯨꯝꯕ ꯌꯨꯝꯕꯨ ꯑꯣꯏꯔꯤꯕ ꯂꯩꯕꯥꯛ ꯑꯗꯨꯗ ꯄꯥꯡꯊꯣꯛꯀꯗꯕꯅꯤ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯊꯧꯗꯣꯛ ꯑꯃꯒ ꯀꯨꯝꯖꯥ 1920 ꯒꯤ ꯑꯟꯇꯔꯞ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ ꯊꯣꯛꯂꯝꯃꯤ꯫ ꯃꯗꯨꯗꯤ Sailing ꯒꯤ ꯊꯧꯔꯝ ꯑꯃ ꯏꯁꯤꯡ ꯌꯥꯝꯅ ꯐꯠꯇꯕ ꯃꯔꯝꯅ ꯌꯨꯝꯊꯪꯅꯕ ꯂꯩꯕꯥꯛ ꯍꯣꯂꯦꯟꯗꯗ ꯄꯥꯡꯊꯣꯛꯂꯝꯃꯤ꯫
ꯃꯥꯂꯦꯝꯒꯤ ꯋꯥꯊꯣꯛ ꯂꯥꯟꯊꯣꯛꯁꯤꯡꯅ ꯒꯦꯝꯁ ꯑꯁꯤꯗ ꯑꯀꯥꯏꯕ ꯄꯤꯒꯗ꯭ꯔ ꯍꯥꯏꯅ ꯑꯍꯥꯟꯕꯗ ꯆꯤꯡꯅꯔꯝꯃꯤ꯫ ꯃꯇꯝ ꯑꯁꯤꯗ ꯍꯪꯒꯦꯔꯤꯅ ꯀꯃ꯭ꯌꯨꯅꯤꯖꯝꯒꯤ ꯃꯥꯌꯣꯛꯇ ꯂꯥꯟ ꯍꯧꯕꯗꯒꯤ ꯁꯣꯚꯤꯑꯦꯠ ꯂꯩꯕꯥꯛꯅ ꯂꯥꯟ ꯑꯗꯨ ꯅꯝꯊꯅꯕ ꯂꯥꯟꯃꯤ ꯊꯥꯖꯤꯟꯗꯨꯅ ꯂꯩꯕꯥꯛ ꯑꯗꯨꯗ ꯂꯥꯟ ꯇꯥꯁꯤꯟꯕꯗ ꯌꯥꯅꯤꯡꯗꯕ ꯎꯠꯇꯨꯅ ꯁ꯭ꯄꯦꯟ, ꯍꯣꯂꯦꯟꯗ ꯑꯃꯁꯨꯡ ꯁ꯭ꯋꯤꯠꯖꯔꯂꯦꯟꯗ, ꯃꯦꯜꯕꯣꯔꯟꯗ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯁꯔꯨꯛ ꯌꯥꯕ ꯂꯥꯛꯈꯤꯗꯦ꯫ ꯃꯤꯑꯣꯏꯕꯒꯤ ꯍꯛ ꯈꯣꯡꯒꯥꯎꯅꯕꯤꯗꯨꯅ ꯅꯤꯡꯇꯝꯕ ꯂꯩꯍꯟꯗ꯭ꯔꯕ ꯃꯇꯝ ꯑꯁꯤꯗ ꯁꯥꯟꯅꯔꯣꯏꯁꯤꯡꯅ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ ꯁꯔꯨꯛ ꯌꯥꯕ ꯑꯁꯤ ꯃꯇꯤꯛ ꯆꯥꯗꯦ ꯍꯥꯏꯗꯨꯅ ꯁ꯭ꯄꯦꯟꯒꯤ ꯁꯥꯟꯅꯔꯣꯏꯁꯤꯡ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ ꯆꯠꯍꯟꯈꯤꯗꯕꯅꯤ꯫ ꯂꯟꯗꯟ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯀꯃꯤꯇꯤꯅꯁꯨ ꯍꯪꯒꯦꯔꯤꯗ ꯊꯣꯛꯂꯤꯕ ꯊꯧꯗꯣꯛ ꯑꯁꯤꯅ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯍꯔꯥꯎ ꯇꯌꯥꯝꯕ ꯃꯥꯡꯍꯜꯂꯤ ꯍꯥꯏꯗꯨꯅ ꯂꯩꯕꯥꯛ ꯑꯁꯤꯁꯨ ꯁꯔꯨꯛ ꯌꯥꯈꯤꯗꯦ꯫ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯀꯃꯤꯇꯤ ꯑꯁꯤꯒꯤ ꯑꯣꯐꯤꯁꯜꯁꯤꯡꯅ ꯍꯪꯒꯦꯔꯤꯗ ꯑꯋꯥꯕ ꯇꯥꯔꯕꯁꯤꯡꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯅꯕ ꯒꯤꯜꯗꯔ ꯂꯥꯈ ꯑꯃ ꯃꯇꯦꯡ ꯄꯤꯈꯤ, ꯁꯦꯟꯐꯝ ꯑꯁꯤ ꯃꯇꯝ ꯑꯗꯨꯗ ꯄꯥꯎꯟꯗ ꯂꯤꯁꯤꯡ 10,000 ꯒ ꯃꯥꯟꯅꯩ꯫ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯍꯧꯒꯗꯕ ꯅꯨꯃꯤꯠ ꯈꯔꯅꯤꯗꯪ ꯉꯥꯏꯔꯕ ꯐꯥꯎꯕꯗ ꯂꯥꯟ ꯑꯗꯨ ꯇꯣꯛꯂꯝꯗꯦ, ꯇꯧꯏꯒꯨꯝꯕꯁꯨꯡ ꯍꯪꯒꯦꯔꯤꯒꯤ ꯇꯤꯝꯗꯤ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ ꯁꯔꯨꯛ ꯌꯥꯅꯕꯒꯤꯗꯃꯛ ꯃꯦꯜꯕꯣꯔꯟꯗ ꯊꯨꯡꯂꯝꯃꯤ꯫
ꯃꯥꯏꯀꯩ ꯑꯃꯔꯣꯝꯗ ꯏꯖꯤꯞꯠꯇ ꯁ꯭ꯋꯤꯖ-ꯀꯦꯅꯦꯜ ꯅꯦꯁꯅꯂꯥꯏꯖ ꯇꯧꯔꯨꯕꯗꯒꯤ ꯏꯖꯔꯦꯜ, ꯌꯨꯅꯥꯏꯇꯦꯗ ꯀꯤꯡꯗꯝ ꯑꯃꯁꯨꯡ ꯐ꯭ꯔꯥꯟꯁꯅ ꯂꯩꯕꯥꯛ ꯑꯁꯤꯒꯤ ꯃꯊꯛꯇ ꯂꯥꯟ ꯇꯥꯁꯤꯟꯈꯤ꯫ ꯃꯁꯤꯅ ꯃꯔꯝ ꯑꯣꯏꯗꯨꯅ ꯏꯖꯤꯞꯠ,
ꯏꯔꯥꯛ ꯑꯃꯁꯨꯡ ꯂꯦꯕꯥꯅꯟꯁꯨ ꯑꯣꯁꯇ꯭ꯔꯤꯌꯥꯗ ꯂꯥꯛꯇꯨꯅ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ ꯁꯔꯨꯛ ꯌꯥꯈꯤꯗꯦ꯫ ꯃꯔꯩꯕꯥꯛꯇ ꯂꯥꯟ ꯇꯥꯁꯤꯜꯂꯛꯄ ꯂꯩꯕꯥꯛꯁꯤꯡꯕꯨ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯑꯗꯨꯗ ꯁꯔꯨꯛ ꯌꯥꯍꯜꯂꯤ ꯍꯥꯏꯗꯨꯅ ꯏꯖꯤꯞꯠ ꯒꯦꯝꯁ ꯑꯗꯨꯗ ꯁꯔꯨꯛ ꯌꯥꯈꯤꯗꯕꯅꯤ ꯑꯃꯗꯤ ꯃꯤꯗꯜ ꯏꯁꯠꯇ ꯊꯣꯛꯂꯤꯕ ꯋꯥꯊꯣꯛ ꯑꯁꯤꯗ ꯑꯣꯁꯇ꯭ꯔꯦꯂꯤꯌꯥꯒꯤ ꯃꯤꯠꯌꯦꯡ ꯑꯁꯤ ꯄꯥꯝꯗꯦ ꯍꯥꯏꯅ ꯂꯦꯕꯥꯅꯟꯁꯨ ꯒꯦꯝꯁ ꯑꯁꯤꯗ ꯁꯥꯎꯗꯨꯅ ꯌꯥꯎꯈꯤꯗꯦ꯫
ꯇꯥꯏꯋꯥꯟ (ꯔꯤꯄ꯭ꯂꯤꯛ ꯑꯣꯐ ꯆꯥꯏꯅꯥ) ꯕꯨ ꯁꯔꯨꯛ ꯌꯥꯍꯜꯂꯤ ꯍꯥꯏꯗꯨꯅ ꯄꯤꯄꯜ ꯔꯤꯄꯕ꯭ꯂꯤꯛ ꯑꯣꯐ ꯆꯥꯏꯅꯥ ꯍꯥꯏꯕꯗꯤ ꯃꯦꯟꯂꯦꯟꯗ ꯆꯥꯏꯅꯥ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯃꯌꯥ ꯅꯛꯁꯤꯜꯂꯛꯂꯕ ꯃꯇꯝꯗ ꯅꯚꯦꯝꯕꯔ 9 ꯗ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ ꯁꯔꯨ ꯌꯥꯕ ꯉꯝꯂꯔꯣꯏ ꯍꯥꯏꯅ ꯈꯪꯍꯜꯂꯛꯈꯤ꯫ ꯆꯥꯏꯅꯤꯖ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯀꯃꯤꯇꯤꯅ ꯑꯁꯨꯝꯅ ꯁꯥꯎꯅ ꯍꯥꯏꯈꯤ ꯃꯗꯨꯗꯤ ꯆꯥꯏꯅꯥꯒꯤ ꯃꯤꯌꯥꯝ ꯑꯃꯁꯨꯡ ꯁꯥꯟꯅꯔꯣꯏꯁꯤꯡꯅ ꯆꯥꯏꯅꯥꯕꯨ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯑꯣꯏꯅ ꯑꯅꯤ ꯊꯣꯛꯅ ꯈꯥꯏꯗꯣꯛꯄꯒꯤ ꯊꯧꯁꯤꯜ ꯑꯁꯤ ꯈꯥꯡꯗꯨꯅ ꯂꯩꯕ ꯉꯝꯗꯦ꯫ ꯏꯟꯇꯔꯅꯦꯁꯅꯜ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯀꯃꯤꯇꯤꯒꯤ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠ ꯑꯚꯦꯔꯤꯕ꯭ꯔꯟꯗꯦꯖꯅ ꯑꯣꯂꯤꯝꯄꯤꯛꯀ ꯄꯣꯂꯤꯇꯤꯛꯁꯀ ꯃꯔꯤ ꯂꯩꯅꯗꯦ ꯍꯥꯏꯅ ꯐꯣꯡꯗꯣꯛꯂꯝꯃꯤ꯫ ꯃꯍꯥꯛꯅ ꯍꯥꯏꯔꯝꯃꯤ ꯃꯗꯨꯗꯤ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ ꯂꯝꯕꯥ ꯇꯧꯅꯒꯗꯧꯔꯤꯕ ꯑꯁꯤ ꯐꯨꯔꯨꯞ ꯑꯃꯒ ꯐꯨꯔꯨꯞ ꯑꯃꯒ ꯅꯠꯇꯦ, ꯅꯥꯏꯇꯣꯝ ꯑꯃꯒ ꯅꯥꯏꯇꯣꯝ ꯑꯃꯒ ꯂꯝꯕꯥꯅꯤ, ꯃꯤ ꯑꯃꯒ ꯑꯇꯣꯞꯄ ꯃꯤ ꯑꯃꯒ ꯇꯥꯟꯅꯕꯅꯤ꯫ ꯂꯥꯜꯂꯕꯁꯨ ꯆꯨꯝꯂꯕꯁꯨ ꯂꯩꯕꯥꯛ ꯑꯃꯠꯇꯅ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯑꯁꯤ ꯄꯣꯂꯤꯇꯤꯛꯁꯀꯤ ꯑꯣꯏꯅ ꯁꯤꯖꯤꯟꯅꯕ ꯌꯥꯔꯣꯏ꯫ ꯏꯊꯣꯄꯤꯌꯥ, ꯐꯤꯖꯤ, ꯀꯦꯅꯤꯌꯥ, ꯂꯥꯏꯕꯦꯔꯤꯌꯥ, ꯐꯦꯗꯔꯦꯁꯟ ꯑꯣꯐ ꯃꯥꯂꯌꯥ, ꯑꯋꯥꯡ ꯕꯣꯔꯅꯤꯑꯣ (ꯁꯥꯕꯍ ꯑꯣꯐ ꯃꯂꯥꯌꯥ) ꯑꯃꯁꯨꯡ ꯌꯨꯒꯟꯗꯥ ꯑꯍꯥꯟꯕ ꯑꯣꯏꯅ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ ꯑꯃꯨꯛ ꯌꯥꯎꯈꯤ꯫ ꯅꯣꯡꯄꯣꯛ ꯑꯃꯁꯨꯡ ꯅꯣꯡꯆꯨꯞ ꯖꯔꯃꯅꯤ ꯄꯨꯟꯁꯤꯟꯅꯗꯨꯅ ꯇꯤꯝ ꯑꯃ ꯑꯣꯏꯅ ꯁꯔꯨꯛ ꯌꯥꯈꯤ꯫ ꯂꯩꯕꯥꯛ ꯑꯅꯤ ꯑꯁꯤ ꯀꯨꯝꯖꯥ 1968 ꯒꯤ ꯃꯦꯛꯁꯤꯀꯣ ꯁꯍꯔꯗ ꯄꯥꯡꯊꯣꯛꯈꯤꯕ ꯑꯣꯂꯤꯝꯄꯤꯛꯇꯒꯤ ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ ꯂꯩꯕꯥꯛ (ꯇꯤꯝ) ꯑꯣꯏꯅ ꯁꯔꯨꯛ ꯌꯥꯈꯤ꯫ ꯁ꯭ꯇꯣꯛꯍꯣꯝ ꯑꯃꯁꯨꯡ ꯃꯦꯜꯕꯣꯔꯟꯗ ꯀꯨꯝꯖꯥ 1956 ꯀꯤ ꯒꯦꯝꯁ ꯑꯁꯤ ꯄꯥꯡꯊꯣꯛꯈꯤꯕꯗ ꯄꯨꯟꯅ ꯂꯩꯕꯥꯛ 72 ꯅ ꯁꯔꯨꯛ ꯌꯥꯈꯤ꯫ ꯁ꯭ꯇꯣꯛꯍꯣꯝꯗ ꯖꯨꯟ ꯊꯥꯗ ꯏꯀ꯭ꯋꯦꯁꯇꯔꯤꯌꯟ ꯄꯥꯡꯊꯣꯛꯄꯗ ꯂꯩꯕꯥꯛ 29 ꯅ ꯁꯔꯨꯛ ꯌꯥꯈꯤ ꯃꯁꯤꯗ ꯁꯔꯨꯛ ꯌꯥꯈꯤꯕ ꯂꯩꯕꯥꯛ 12 ꯈꯛ ꯑꯁꯤꯒꯤ ꯃꯅꯨꯡꯗ ꯁ꯭ꯄꯦꯟ, ꯍꯣꯂꯦꯟꯗ, ꯁ꯭ꯋꯤꯠꯖꯔꯂꯦꯟꯗ, ꯏꯖꯤꯞꯠ ꯑꯃꯁꯨꯡ ꯀꯝꯕꯣꯗꯤꯌꯥ ꯃꯦꯜꯕꯣꯔꯟꯗ ꯂꯥꯛꯈꯤꯗꯦ꯫
ꯃꯦꯜꯕꯣꯔꯟ ꯇꯤꯝ 67 ꯁꯔꯨꯛ ꯌꯥꯈꯤ ꯃꯈꯣꯏ ꯑꯗꯨꯗꯤ ꯁ꯭ꯇꯣꯛꯍꯣꯝꯗ ꯁꯔꯨꯛ ꯌꯥꯔꯕ 24 ꯑꯃꯁꯨꯡ ꯃꯦꯜꯕꯣꯔꯟꯗ ꯈꯛꯇꯃꯛ ꯁꯔꯨꯛ ꯌꯥꯕ ꯇꯤꯝ 43 ꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯑꯁꯤꯗꯗꯤ ꯄꯨꯟꯅ ꯂꯩꯕꯥꯛ 72 ꯁꯔꯨꯛ ꯌꯥꯈꯤ꯫
ꯍꯧꯅꯕꯤ ꯃꯇꯨꯡ ꯏꯟꯅ ꯒ꯭ꯔꯤꯁꯀꯤ ꯑꯣꯂꯤꯝꯄꯤꯌꯥꯗ ꯅꯚꯦꯝꯕꯔꯒꯤ ꯇꯥꯡ 2 ꯗ ꯑꯣꯂꯤꯝꯄꯤꯛꯀꯤ ꯃꯩꯔꯥ ꯆꯨꯈꯤꯂꯝꯃꯤ, ꯒ꯭ꯔꯤꯁꯀꯤ ꯂꯝꯖꯦꯜꯂꯣꯏꯁꯤꯡꯅ ꯃꯩꯔꯥ ꯑꯗꯨ ꯄꯨꯗꯨꯅ ꯑꯦꯊꯦꯟꯁ ꯐꯥꯎꯕ ꯆꯦꯜꯂꯛꯂꯝꯃꯤ꯫ ꯃꯩꯔꯥ [rb akTejK mlAN (Miner's Lamp) r vASGmq afbir Quantas Super Constellation Aircraft "Southern Horizon" ꯗ ꯑꯣꯁꯇ꯭ꯔꯦꯂꯤꯌꯥꯒꯤ ꯅꯣꯔꯗꯔꯟ ꯇꯦꯔꯤꯇꯣꯔꯤꯗ ꯂꯩꯕ ꯗꯥꯔꯋꯤꯟ ꯁꯍꯔꯗ ꯊꯨꯡꯂꯝꯃꯤ꯫ ꯃꯐꯝ ꯑꯁꯤꯗꯒꯤ ꯔꯣꯌꯦꯜ ꯑꯣꯁꯇ꯭ꯔꯦꯂꯤꯌꯥ ꯑꯦꯌꯔ ꯐꯣꯔꯁ ꯏꯪꯂꯤꯁ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ ꯀꯦꯟꯕꯦꯔꯥ- ꯖꯦꯠ ꯕꯣꯝꯕꯔꯅ ꯅꯚꯦꯝꯕꯔ 9 ꯗ ꯑꯣꯁꯇ꯭ꯔꯦꯂꯤꯌꯥꯒꯤ ꯅꯣꯡꯄꯣꯛ ꯊꯪꯕ ꯁꯃꯨꯗ꯭ꯔ ꯃꯄꯥꯟꯗ ꯂꯩꯕ ꯀꯥꯏꯔꯟ ꯁꯍꯔꯗ ꯊꯨꯡꯂꯔꯕ ꯃꯇꯨꯡꯗ ꯃꯥꯏꯅꯔꯁ ꯂꯦꯝꯞꯇ ꯌꯥꯎꯔꯤꯕ ꯃꯩ ꯑꯗꯨ ꯑꯍꯥꯟꯕ ꯑꯣꯏꯅ ꯀꯥꯏꯔꯟ ꯁꯍꯔꯒꯤ ꯃꯦꯌꯔ ꯑꯦꯜꯗꯔꯃꯦꯟ ꯗꯕ꯭ꯂꯤꯌꯨ ꯖꯦ ꯐꯨꯜꯇꯣꯟꯅ ꯃꯩꯔꯥ ꯑꯃꯗ ꯆꯨꯈꯠꯂꯝꯃꯤ꯫ ꯁꯍꯔ ꯑꯗꯨꯗ ꯂꯩꯕ ꯒ꯭ꯔꯤꯁ ꯃꯆꯥ ꯀꯍꯟ-ꯚꯦꯔꯦꯚꯤꯁ ꯀꯧꯕ ꯑꯃꯗ ꯃꯄꯥ-ꯃꯄꯨꯅ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯒꯦꯝꯁ ꯍꯧꯗꯣꯛꯂꯝꯕꯒꯤ ꯏꯀꯥꯏꯈꯨꯝꯅꯕ ꯄꯤꯕ ꯑꯣꯏꯅ ꯃꯩꯔꯥ ꯑꯗꯨ ꯃꯉꯣꯟꯗ ꯁꯤꯟꯅꯗꯨꯅ ꯏꯍꯥꯟ ꯍꯥꯟꯅ ꯃꯩꯔꯥ ꯄꯨꯗꯨꯅꯨ ꯆꯦꯜꯍꯟꯈꯤ꯫ ꯁꯍꯔ ꯑꯁꯤꯗꯒꯤ ꯃꯩꯔꯥ ꯑꯁꯤ ꯁꯃꯨꯗ꯭ꯔ ꯃꯄꯥꯟꯗ ꯂꯩꯕ ꯁꯍꯔꯁꯤꯡ ꯐꯥꯎꯗꯨꯅ ꯈꯨꯠꯊꯥꯡ ꯇꯧꯅꯗꯨꯅ ꯅꯚꯦꯝꯕꯔꯒꯤ 22 ꯗ ꯃꯦꯜꯕꯣꯔꯟꯗ ꯊꯨꯡꯈꯤ꯫=

- ꯂꯩꯁꯥꯡꯊꯦꯝ ꯑꯖꯤꯠ-

ꯍꯤꯗꯥꯛ ꯃꯉꯥ ꯊꯥꯔꯕ (MDT) ꯁꯥꯁꯤꯡꯅ ꯍꯥꯏꯗ꯭ꯔꯣꯖꯦꯜꯗꯤ ꯌꯥꯎꯔꯒ
ꯑꯍꯦꯟꯕ ꯐꯦꯛꯇꯔꯁꯤꯡꯗꯤ ꯌꯥꯎꯗꯕ (BD) ꯅꯠꯇ꯭ꯔꯒ ꯃꯍꯧꯁꯥꯒꯤ ꯑꯣꯏꯕ
ꯊꯧꯑꯣꯡ (ND) ꯅ ꯑꯣꯏꯖꯔꯛꯄ ꯁꯥꯁꯤꯡꯗꯒꯤ ꯁꯥꯡꯕ ꯍꯦꯟꯕ꯫