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ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ ꯂꯤꯇꯔꯦꯔꯤ ꯀ꯭ꯋꯤꯖ-34 ꯒꯤ ꯄꯥꯎꯈꯨꯝ
1) ‘‘ꯗꯦꯕꯝ’’ ꯍꯥꯏꯕ ꯑꯉꯥꯡꯒꯤ ꯅꯣꯚꯦꯜ ꯑꯁꯤ ꯑꯣꯔꯤꯖꯤꯅꯦꯜ ꯀꯔꯤ ꯂꯣꯜꯗ ꯀꯅꯥꯅ ꯏꯕꯗꯒꯤ ꯃꯅꯤꯄꯨꯔꯤꯗ ꯀꯅꯥꯅ ꯍꯟꯗꯣꯛꯄꯅꯣ? :- ꯍꯤꯟꯗꯤ ꯂꯣꯜꯗ ꯑꯅꯟꯗ ꯕꯤꯁ꯭ꯋꯥꯁꯅ ꯏꯕ ꯃꯃꯤꯡ ꯑꯁꯤꯃꯛꯀꯤ ꯂꯥꯏꯔꯤꯛꯇꯒꯤ ꯃꯅꯤꯄꯨꯔꯤꯗ ꯈꯥꯉꯦꯝꯕꯝ ꯇꯣꯝꯆꯧꯅ ꯍꯟꯗꯣꯛꯄꯅꯤ꯫ ꯑꯍꯥꯟꯕ ꯐꯣꯡꯕ ꯃꯦ, 2019꯫
2) ‘‘ꯁꯣꯛꯂꯕ ꯊꯝꯃꯣꯏꯒꯤ ꯈꯣꯜꯂꯥꯎ’’ ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯅꯥꯅ ꯏꯕꯅꯣ ꯑꯃꯁꯨꯡ ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ? :- ꯑꯏꯕ - ꯃꯨꯍꯃꯗ ꯑꯕꯗꯨꯔ ꯔꯍꯃꯥꯟ; ꯂꯥꯏꯔꯤꯛꯀꯤ ꯃꯈꯜ - ꯁꯩꯔꯦꯡ; ꯑꯍꯥꯟꯕ ꯐꯣꯡꯕ, ꯑꯣꯛꯇꯣꯕꯔ 2017꯫
3) ‘‘ꯅꯨꯡꯁꯤ ꯋꯥꯔꯤ’’ ꯍꯥꯏꯕ ꯅꯣꯚꯦꯜ ꯑꯁꯤ ꯀꯅꯥꯅꯣ ꯏꯕꯅꯣ? :- ꯕꯤꯅꯥꯄꯥꯅꯤ ꯊꯣꯛꯆꯣꯝ; ꯑꯍꯥꯟꯕ ꯐꯣꯡꯕ, ꯖꯨꯟ 2016꯫
4) ‘‘ꯆꯣꯂꯣꯝ ꯄꯔꯦꯡ’’ ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤꯒꯤ ꯑꯏꯕ ꯀꯅꯥꯅꯣ? :- ꯑꯦꯂꯥꯡꯕꯝ ꯆꯥꯎꯚꯜ; ꯑꯍꯥꯟꯕ ꯐꯣꯡꯕ 2019꯫

5) ‘‘ꯇꯥꯏꯕꯪ ꯅꯃꯨ ꯄꯣꯡꯑꯣꯏꯕꯁꯤꯡꯅ ꯀꯣꯔꯧ ꯅꯣꯡꯖꯥ ꯈꯨꯗꯤꯡꯕꯨ, ꯄꯨꯛꯅꯤꯡ ꯋꯥꯔꯩꯆꯜ ꯄꯥꯏꯃ ꯍꯛꯁꯣꯜ ꯂꯥꯡꯅ ꯑꯋꯥꯕ ꯋꯥꯈꯜꯂꯕ ꯄꯥꯃꯦꯟ ꯎꯐꯥꯜ ꯑꯀꯥꯏꯕꯗ ꯐꯝꯅ ꯇꯔꯥ ꯈꯨꯠꯄꯨꯟ ꯍꯨꯛꯂꯕ꯫ ꯅꯨꯃꯤꯗꯥꯡ ꯏꯅꯨꯡ ꯌꯥꯆꯪꯕꯗ ꯃꯤꯠꯌꯦꯡ ꯅꯥꯎꯁꯨꯝꯂꯕ꯫ ꯃꯣꯝꯅꯨ ꯅꯨꯖꯥ ꯃꯊꯣꯛ ꯀꯥꯔꯛꯄꯤꯕꯨ ꯄꯥꯟꯒꯟ ꯈꯨꯠꯉꯝꯊꯤꯅ, ꯍꯩꯔꯥꯡ ꯁꯪꯅ ꯆꯥꯔꯕ꯫ ꯅꯃꯨ ꯃꯤꯔꯝꯆꯠ ꯑꯁꯤꯒꯨꯝꯕꯁꯤꯡꯗꯤ꯫ ꯁꯤꯉꯦꯜ ꯅꯥꯋꯣꯏꯗꯣꯡꯅ; ꯄꯥꯃꯦꯟ ꯎꯃꯪ ꯉꯥꯟꯅ ꯁꯥꯠꯂꯤꯗꯤ ꯍꯥꯏꯕꯕꯨ; ꯂꯩꯔꯥꯡ ꯂꯩꯃꯟ ꯌꯥꯎꯗꯕꯅ, ꯁꯤꯡꯂꯦꯜ ꯃꯥꯕꯨ ꯂꯩꯊꯥꯅꯗꯕ ꯑꯗꯨꯒꯨꯝꯕꯅꯦ꯫’
ꯋꯥꯔꯦꯡ ꯃꯇꯦꯛ ꯑꯁꯤ ꯀꯔꯤ ꯂꯥꯏꯔꯤꯛꯇꯒꯤ ꯂꯧꯊꯣꯔꯛꯄꯅꯣ? :- ꯂꯧꯊꯣꯔꯛꯄ ꯂꯥꯏꯔꯤꯛ
- ꯏꯃꯣꯏꯅꯨ ꯑꯍꯣꯡꯕꯤꯒꯤ ꯇꯨꯡꯅꯐꯝ; (ꯁꯦꯝꯒꯠꯆꯕ - ꯌꯨꯝꯅꯥꯝ-ꯆꯥ ꯕꯨꯙꯤꯆꯟꯗ꯭ꯔ; ꯂꯥ:5, ꯑꯍꯥꯟꯕ ꯐꯣꯡꯕ, ꯁꯦꯞꯇꯦꯝꯕꯔ 4, 1963)
ꯃꯤꯌꯥꯝꯒꯤ ꯃꯤꯔꯦꯞ
ꯃꯁꯛ ꯈꯪꯕ ꯍꯧꯔꯛꯂꯦ
ꯍꯥꯟꯅꯗꯒꯤ ꯃꯤꯌꯥꯝꯒꯤ ꯃꯤꯍꯨꯠ ꯑꯣꯏꯈ꯭ꯔꯕꯁꯤꯡ ꯌꯥꯎꯅ ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤ 27
ꯑꯃꯁꯨꯡ ꯃꯥꯔꯆ 3, 2022 ꯗ ꯇꯥꯡꯀꯛ ꯑꯅꯤ ꯊꯣꯛꯅ ꯄꯥꯡꯊꯣꯛꯂꯒꯗꯕ ꯃꯅꯤꯄꯨꯔꯒꯤ
12 ꯁꯨꯕ ꯃꯤꯈꯜꯁꯤꯗ ꯃꯤꯌꯥꯝꯒꯤ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯒꯗꯕꯁꯤꯡꯒꯤ ꯃꯔꯛꯇ ꯀꯅꯥꯅ
ꯀꯅꯥꯅꯣ? ꯀꯔꯤꯗꯒꯤ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯅ ꯆꯣꯡꯊꯣꯔꯛꯈꯤꯕꯅꯣ? ꯀꯥꯕ ꯅꯠꯇ꯭ꯔꯒ
ꯀꯥꯗꯕꯗꯨꯅ ꯅꯥꯀꯜ ꯑꯃꯗ ꯊꯝꯈ꯭ꯔꯒ ꯊꯧꯑꯣꯏꯅ ꯃꯤꯌꯥꯝꯒꯤ ꯃꯤꯍꯨꯠ ꯑꯣꯏꯔꯒꯦ
ꯈꯟꯕ ꯃꯤꯔꯦꯞꯁꯤꯡꯅ ꯀꯅꯥꯅꯣ? ꯑꯗꯨꯒ ꯃꯤꯌꯥꯝꯕꯨ ꯌꯥꯝꯂꯕ ꯄꯣꯠꯂꯨꯝ ꯀꯣꯛꯊꯣꯡ
ꯄꯨꯒꯦꯗꯤ ꯍꯥꯏꯔꯒ ꯈꯨꯗꯤ ꯑꯃꯨꯛꯇꯪ ꯊꯤꯕꯗ ꯎꯆꯤ ꯃꯈꯨꯜꯗ ꯆꯪꯈꯤꯕ, ꯃꯈꯥ ꯇꯥꯅꯁꯨ
ꯆꯪꯈꯤꯒꯗꯕ ꯃꯤꯔꯦꯞꯁꯤꯡꯅ ꯀꯅꯥ ꯀꯅꯥꯅꯣ ꯍꯥꯏꯕꯁꯤ ꯈꯪꯕ ꯍꯧꯔꯛꯂꯦ꯫ ꯆꯞ-ꯆꯥꯅ
ꯂꯩꯈꯥꯏ ꯇꯥꯒꯗꯕꯕꯨꯗꯤ ꯋꯥꯠꯂꯤ꯫ ꯊꯦꯡꯈꯥꯡ ꯑꯅꯤꯔꯛꯇ ꯄꯥꯡꯊꯣꯛꯂꯒꯗꯕ ꯏꯂꯦꯛꯁꯟ
ꯑꯁꯤꯒꯤ ꯅꯣꯇꯤꯐꯤꯀꯦꯁꯟ ꯊꯣꯛꯂꯒ ꯃꯁꯤꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯅ ꯋꯥꯔꯦꯞ ꯆꯦ
ꯄꯤꯁꯤꯟꯕ ꯌꯥꯕꯒꯤ ꯑꯔꯣꯏꯕ ꯃꯇꯝ ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯤꯁꯤꯟꯅꯔꯛꯄ ꯑꯗꯨꯒ
ꯅꯣꯃꯤꯅꯦꯁꯟ ꯄꯦꯄꯔꯁꯤꯡ ꯁ꯭ꯀ꯭ꯔꯨꯇꯤꯅꯤ ꯇꯧꯔꯒ ꯃꯤꯔꯦꯞ ꯆꯦ ꯂꯧꯊꯣꯛꯄ ꯌꯥꯕꯒꯤ
ꯑꯔꯣꯏꯕ ꯃꯇꯝ ꯐꯥꯎꯕꯗ ꯂꯧꯊꯣꯛꯅꯗꯕꯁꯤꯡ ꯑꯗꯨꯅ ꯂꯝꯕꯥ ꯇꯧꯅꯔꯒꯗꯕꯅꯤ꯫
ꯑꯗꯨꯕꯨ ꯑꯄꯨꯟꯕ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ ꯀꯟꯁꯇꯤꯇ꯭ꯌꯨꯑꯦꯟꯁꯤ 60 ꯃꯛꯇ ꯅꯥꯏꯇꯣꯝ ꯇꯥꯕ
(ꯑꯃꯠꯇ ꯉꯥꯏꯕ) ꯃꯤꯔꯦꯞ ꯊꯣꯔꯛꯂꯣꯏꯗꯕꯅ, ꯑꯟ-ꯀꯟꯇꯦꯁꯠ ꯀꯦꯟꯗꯤꯗꯦꯠ
ꯂꯩꯔꯛꯂꯣꯏꯗꯧꯕꯅ ꯆꯤꯡ ꯑꯃꯁꯨꯡ ꯇꯝꯒꯤ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ ꯁꯦꯒꯃꯦꯟꯠ 60 ꯗ ꯃꯤꯈꯜ
ꯄꯥꯡꯊꯣꯛꯄ ꯍꯥꯏꯕꯁꯤꯗꯤ ꯁꯣꯏꯗ꯭ꯔꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯄꯥꯡꯊꯣꯛꯂꯒꯗꯕ ꯃꯤꯈꯜꯁꯤꯒꯤ
ꯅꯣꯇꯤꯐꯤꯀꯦꯁꯟ ꯊꯣꯛꯇ꯭ꯔꯤꯉꯩ, ꯅꯣꯃꯤꯅꯦꯁꯟ ꯄꯦꯄꯔ ꯐꯥꯏꯜ ꯇꯧꯅꯗ꯭ꯔꯤꯉꯩ,
ꯋꯤꯠꯗ꯭ꯔꯣꯋꯜꯒꯤ ꯃꯇꯝ ꯐꯥꯎꯕ ꯂꯥꯛꯇ꯭ꯔꯤꯉꯩꯒꯤ ꯆꯩꯔꯛꯇ ꯏꯟꯇꯦꯟꯗꯤꯡ
ꯀꯦꯟꯗꯤꯗꯦꯠꯁꯤꯡꯒꯤ ꯃꯔꯛꯇꯒꯤ ꯃꯁꯛ ꯈꯪꯕ ꯈꯔ-ꯈꯔ ꯍꯧꯔꯛꯂꯦ꯫ ꯃꯁꯤꯗꯤ
ꯍꯧꯅꯕꯤꯅꯤ꯫ ꯂꯥꯞꯅꯔꯤꯉꯩꯗ ꯂꯥꯏ ꯃꯥꯜꯂꯝꯕꯗꯨ ꯅꯛꯁꯤꯜꯂꯛꯂꯒ ꯃꯤ ꯑꯣꯏꯔꯝꯕꯒꯤ
ꯊꯧꯗꯧꯁꯤꯗꯤ ꯑꯗꯨꯃꯛ ꯊꯣꯔꯛꯇꯨꯅ KI-KI ꯎꯔꯛꯄ ꯍꯥꯏꯕꯁꯤꯗꯤ ꯁꯣꯏꯗꯕꯅꯤ꯫
ꯀꯨꯏꯔ-ꯀꯨꯏꯔꯒ ꯍꯦꯟꯅ ꯍꯦꯟꯅ ꯃꯁꯛ ꯈꯪꯂꯛꯈꯤꯒꯗꯕꯗꯅꯤ꯫ ꯅꯣꯡꯃ-ꯅꯣꯡꯃꯒꯤ
ꯃꯤꯈꯜ ꯄꯥꯡꯊꯣꯛꯀꯗꯕ ꯃꯇꯝ ꯅꯛꯁꯤꯜꯂꯛꯂꯤꯃꯈꯩ ꯃꯌꯦꯛ ꯁꯦꯡꯂꯛꯈꯤꯅꯤ꯫
ꯃꯤꯌꯥꯝꯒꯤ ꯃꯤꯍꯨꯠ ꯑꯣꯏꯔꯒꯗꯕꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯆꯣꯡꯊꯣꯛꯅꯔꯛꯂꯤꯕ
ꯏꯟꯇꯦꯟꯗꯤꯡ ꯀꯦꯟꯗꯤꯗꯦꯠꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗꯒꯤ ꯃꯁꯛ ꯈꯪꯕ ꯍꯧꯔꯛꯄꯒꯤ
ꯊꯕꯛꯁꯤ ꯄꯣꯂꯤꯇꯤꯀꯦꯜ ꯄꯥꯔꯇꯤꯁꯤꯡꯅ ꯃꯈꯣꯏꯒꯤ ꯄꯥꯔꯇꯤꯒꯤ ꯃꯍꯨꯠ ꯁꯤꯟꯕ
ꯃꯤꯔꯦꯞꯁꯤꯡ ꯂꯥꯎꯊꯣꯛꯄ ꯍꯧꯔꯛꯄꯗꯒꯤ ꯈꯪꯕ ꯍꯧꯔꯛꯄꯅꯤ꯫ ꯑꯍꯥꯟꯕꯗ ꯃꯈꯣꯏ
ꯃꯁꯥ ꯃꯁꯥꯅ ꯃꯇꯝ ꯀꯨꯏꯅꯒꯤ ꯃꯃꯥꯡꯗꯒꯤ ꯌꯥꯑꯣꯟꯅꯗꯨꯅ ꯋꯥꯔꯛ ꯇꯧꯔꯛꯄ, ꯄꯥꯔꯇꯤ
ꯑꯗꯨꯒꯤ ꯄꯥꯟꯗꯝꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯋꯥꯈꯜꯂꯣꯟꯁꯤꯡ ꯄꯨꯊꯣꯛ-ꯄꯨꯊꯣꯛꯇꯨꯅ ꯉꯥꯡꯂꯝ-
ꯁꯛꯂꯝꯕꯗꯒꯤ ꯄꯥꯔꯇꯤ ꯑꯗꯨꯒꯤ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯕꯒꯤ ꯈꯨꯗꯣꯡꯆꯥꯕ ꯄꯤꯔꯛꯇ꯭ꯔꯕ
ꯃꯇꯝꯗ ꯑꯇꯣꯞꯄ ꯋꯥꯈꯜ-ꯁꯛꯇꯝ ꯃꯥꯟꯅꯗꯕ ꯄꯥꯔꯇꯤꯗ ꯆꯣꯡꯁꯤꯟꯅꯕꯒꯤ ꯊꯕꯛ
ꯍꯧꯅꯔꯛꯂꯦ꯫ ꯉꯔꯥꯡꯅ ꯃꯁꯥꯅ ꯄꯥꯝꯖꯕ ꯄꯥꯔꯇꯤꯒꯤ, ꯈꯣꯡꯍꯥꯏ ꯆꯥꯔꯒꯅꯤ ꯈꯟꯖꯕ
ꯄꯥꯔꯇꯤꯒꯤ ꯁꯤꯔꯒꯦ ꯃꯈꯩ ꯍꯣꯠꯅꯗꯨꯅ ꯉꯥꯡꯂꯝ-ꯁꯛꯂꯝꯕꯁꯤꯡꯗꯨ ꯃꯊꯛ-ꯃꯈꯥ ꯊꯣꯛ
ꯑꯣꯟꯊꯣꯛꯂꯒ ꯉꯥꯡꯕ ꯁꯛꯄ ꯍꯧꯔꯛꯏ꯫ ꯃꯁꯤ ꯄꯣꯂꯤꯇꯤꯀꯦꯜ ꯂꯤꯗꯔꯁꯤꯡꯅ,
ꯄꯣꯂꯤꯇꯤꯁꯤꯌꯟꯁꯤꯡꯅ ꯃꯈꯣꯏ ꯃꯁꯥ-ꯃꯁꯥꯕꯨ ꯏꯂꯦꯛꯇꯦꯗ ꯄꯔꯁꯟ ꯑꯃꯃꯝ
ꯑꯣꯏꯗ꯭ꯔꯕꯗꯤ ꯃꯤꯌꯥꯝꯒꯤ ꯊꯕꯛ ꯇꯧꯕ ꯌꯥꯗꯦ, ꯉꯝꯗꯦ ꯍꯥꯏꯕꯒꯤ ꯆꯦꯜꯂꯤꯕ ꯋꯥꯈꯜꯂꯣꯟ
ꯑꯗꯨꯒꯤ ꯃꯈꯥ ꯁꯝꯊꯔꯛꯄ ꯊꯕꯛ-ꯊꯧꯑꯣꯏꯁꯤꯡꯅꯤ꯫ ꯂꯩꯕꯥꯛ ꯉꯥꯛꯄ, ꯃꯤꯌꯥꯝꯒꯤ
ꯊꯕꯛ ꯇꯧꯕ ꯍꯥꯏꯕꯁꯤꯗꯤ ꯃꯤꯄꯨꯝ ꯈꯨꯗꯤꯡꯃꯛ ꯅꯠꯇ꯭ꯔꯒ ꯀꯦꯟꯗꯤꯗꯦꯠ ꯄꯨꯝꯅꯃꯛ
ꯃꯤꯈꯜꯗ ꯃꯥꯏ ꯄꯥꯛꯇ꯭ꯔꯒꯗꯤ ꯌꯥꯗꯦ ꯍꯥꯏꯕꯗꯤ ꯂꯩꯇꯦ꯫ ꯑꯀꯛꯅꯕ ꯃꯤꯑꯣꯏ ꯑꯃ
ꯅꯠꯇ꯭ꯔꯒ ꯈꯔꯅ ꯏꯂꯦꯛꯇꯦꯗ ꯃꯦꯝꯕꯔ ꯑꯣꯏꯗ꯭ꯔꯕꯁꯨ ꯃꯍꯥꯛꯀꯤ ꯑꯃꯁꯨꯡ
ꯃꯈꯣꯏꯒꯤ ꯄꯥꯔꯇꯤ ꯑꯗꯨꯅ ꯑꯦꯕꯁꯣꯂꯨꯠ ꯃꯦꯖꯣꯔꯤꯇꯤ ꯐꯪꯂꯕꯗꯤ ꯂꯩꯕꯥꯛ ꯋꯥꯌꯦꯜ ꯊꯧꯗꯥꯒꯤ
ꯊꯕꯛꯁꯤꯡ ꯈꯨꯠꯄꯥꯏꯅꯒꯅꯤ, ꯂꯩꯕꯥꯛ ꯉꯥꯛꯀꯅꯤ, ꯑꯦꯕꯁꯣꯂꯨꯠ ꯃꯦꯖꯣꯔꯤꯇꯤꯃꯛ
ꯐꯪꯗꯗꯨꯅ ꯃꯊꯟꯇ ꯄꯥꯋꯔ ꯄꯥꯏꯕꯒꯤ ꯈꯨꯗꯣꯡꯆꯥꯕ ꯐꯪꯗ꯭ꯔꯒꯅ ꯑꯇꯣꯞꯄ ꯄꯥꯔꯇꯤꯁꯤꯡꯒ
ꯆꯨꯡꯁꯤꯟꯅꯒꯅꯤ꯫ ꯁꯧꯒꯠꯂꯨꯅꯤ ꯅꯠꯇ꯭ꯔꯒ ꯁꯧꯒꯠꯍꯜꯂꯛꯀꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯂꯩꯕꯥꯛ
ꯂꯩꯉꯥꯛꯄꯒꯤ ꯊꯧꯗꯥꯡꯗꯤ ꯂꯧꯒꯅꯤ꯫ ꯃꯤꯈꯜꯗ ꯃꯥꯏ ꯄꯥꯛꯄ, ꯃꯤꯌꯥꯝꯒꯤ ꯃꯤꯍꯨꯠ ꯑꯣꯏꯕ
ꯍꯥꯏꯕꯗꯨꯗꯤ ꯑꯣꯏꯕ ꯉꯝꯂꯕꯗꯤ ꯁꯔꯦꯡꯁꯨ ꯊꯣꯡꯕ, ꯊꯥꯎꯁꯨ ꯊꯥꯛꯄ ꯊꯣꯛꯀꯗꯧꯔꯤꯕꯅꯤ꯫
ꯉꯝꯗꯕꯒꯤ ꯋꯥꯅꯤ, ꯉꯝꯂꯕꯗꯤ ꯌꯥꯝꯅ ꯐꯩ꯫ ꯑꯗꯨꯒ ꯂꯦꯖꯤꯁꯂꯦꯇꯤꯚ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ
ꯑꯃꯒꯤ ꯅꯠꯇ꯭ꯔꯒ ꯄꯥꯔꯂꯤꯌꯥꯃꯦꯟꯠꯀꯤ ꯏꯂꯦꯛꯇꯦꯗ ꯃꯦꯝꯕꯔ ꯑꯣꯏꯅꯤꯡꯗꯕ
ꯃꯤꯑꯣꯏꯁꯤꯡꯁꯨ ꯂꯩꯔꯝꯒꯗꯕ/ꯌꯥꯎꯔꯝꯒꯗꯕ ꯃꯥꯟꯗꯦ꯫ ꯃꯁꯤꯃꯛꯅ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ
ꯁꯦꯒꯃꯦꯟꯠ ꯑꯃꯗꯒꯤ ꯍꯦꯟꯗꯣꯔꯛꯇꯨꯅ ꯑꯀꯛꯅꯕ ꯄꯥꯔꯇꯤ ꯑꯃꯃꯝꯗ ꯃꯤꯔꯦꯞ
ꯑꯣꯏꯅꯅꯕ ꯆꯌꯣꯝ ꯁꯥꯅ ꯌꯣꯝꯁꯤꯟꯅꯔꯤꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯍꯪꯕ ꯌꯥꯕꯗꯤ ꯃꯤꯔꯦꯞ
ꯑꯣꯏꯒꯦ, ꯇꯤꯀꯦꯠ ꯄꯤꯌꯨ ꯍꯥꯏꯔꯛꯄ ꯈꯨꯗꯤꯡꯃꯛ ꯃꯥꯒꯤ ꯃꯥꯒꯤ ꯄꯥꯔꯇꯤꯅ ꯇꯤꯀꯦꯠ
ꯄꯤꯗꯨꯅ ꯂꯣꯏꯅꯃꯛ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯍꯟꯕ ꯉꯝꯒꯗ꯭ꯔ? ꯅꯠꯇ꯭ꯔꯒꯅ ꯁꯨꯞꯅꯇꯒꯤ
ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ ꯁꯦꯒꯃꯦꯟꯠ 60 ꯈꯛ ꯂꯩꯕꯁꯤꯗꯒꯤ ꯍꯦꯟꯗꯣꯛꯅ ꯀꯦꯟꯗꯤꯗꯦꯠ
ꯑꯣꯏꯅꯤ ꯆꯣꯡꯊꯣꯔꯛꯄ ꯄꯨꯝꯅꯃꯛ ꯈꯟꯕ ꯌꯥꯒꯗ꯭ꯔ? ꯃꯁꯤꯅ ꯇꯥꯛꯂꯤꯕꯗꯤ
ꯃꯤꯌꯥꯝꯒꯤꯗꯃꯛ ꯄꯣꯂꯤꯇꯤꯛꯁ ꯇꯧꯕ ꯍꯥꯏꯕꯁꯤꯗꯤ ꯚꯣꯠ ꯂꯦꯞꯄ ꯈꯛꯇꯅ
ꯑꯣꯏꯗꯦ꯫ ꯑꯇꯣꯞꯄ ꯁ꯭ꯇꯦꯠꯁꯤꯡꯗ ꯚꯣꯠ ꯁꯨꯡꯂꯦꯞ ꯂꯦꯞꯈꯤꯗꯅ ꯄꯣꯂꯤꯇꯤꯛꯁ
ꯇꯧꯈꯤꯕ ꯄꯣꯂꯤꯇꯤꯁꯤꯌꯟ ꯃꯌꯥꯝ ꯂꯩꯈꯤ꯫ ꯃꯅꯤꯄꯨꯔꯗꯁꯨ ꯂꯩꯈꯤ꯫ ꯑꯗꯨꯅ ꯃꯤꯈꯜ
ꯄꯥꯡꯊꯣꯛꯀꯗꯕ ꯃꯇꯝ ꯅꯛꯁꯤꯟ-ꯅꯛꯁꯤꯜꯂꯛꯂꯒ ꯃꯤꯔꯦꯞꯁꯤꯡꯒꯤ ꯃꯁꯛ
ꯍꯦꯟꯅ ꯈꯪꯂꯛꯈꯤꯒꯅꯤ ꯍꯥꯏꯕꯗ ꯂꯥꯟꯒꯗ꯭ꯔ?

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꯫

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ ꯂꯤꯇꯔꯦꯔꯤ ꯀ꯭ꯋꯤꯖ-34 ꯒꯤ ꯑꯆꯨꯝꯕ ꯄꯥꯎꯈꯨꯝ ꯊꯥꯕꯤꯔꯛꯈꯤꯕꯁꯤꯡꯗꯤ
1) ꯃꯥꯏꯁ꯭ꯅꯥꯝ ꯕꯨꯙ, ꯆꯤꯡꯉꯥꯃꯈꯥ ꯃꯥꯏꯁ꯭ꯅꯥꯝ ꯂꯩꯀꯥꯏ (1, 2, 3)
2) ꯊꯥꯡꯖꯝ ꯄ꯭ꯔꯦꯝꯀꯨꯃꯥꯔ, ꯆꯔꯥꯡꯄꯥꯠ ꯃꯅꯤꯡ ꯂꯩꯀꯥꯏ, ꯊꯧꯕꯥꯜ (1, 2, 5)
3)ꯑꯅꯟꯗꯀꯨꯃꯥꯔ ꯈꯨꯟꯖꯥꯃꯌꯨꯝ, ꯇꯥꯎꯊꯣꯡ ꯑꯌꯨꯡꯕ ꯃꯌꯥꯏ ꯂꯩꯀꯥꯏ (1, 2, 3, 5)
ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ ꯂꯤꯇꯔꯦꯔꯤ ꯀ꯭ꯋꯤꯖ-34 ꯒꯤ ꯋꯤꯟꯅꯔ
ꯑꯅꯟꯗꯀꯨꯃꯥꯔ ꯈꯨꯟꯖꯥꯃꯌꯨꯝ, ꯇꯥꯎꯊꯣꯡ ꯑꯌꯨꯡꯕ ꯃꯌꯥꯏ ꯂꯩꯀꯥꯏ
ꯂꯤꯇꯔꯦꯔꯤ ꯀ꯭ꯋꯤꯖ-34 ꯒꯤ ꯁꯦꯜꯒꯤ ꯃꯅꯥ ꯑꯁꯤ ꯋꯤꯟꯅꯔ ꯑꯣꯏꯔꯕ
ꯃꯤꯑꯣꯏ ꯑꯁꯤꯒꯤ ꯕꯦꯡꯛ ꯑꯦꯀꯥꯎꯟꯠꯇ ꯑꯣꯏꯅ ꯍꯥꯞꯆꯤꯟꯖꯔꯒꯅꯤ꯫

ꯂꯧꯃꯤꯁꯤꯡꯒꯤ ꯀꯥꯈꯜ
ꯆꯨꯖꯥꯛꯇ ꯃꯆꯤꯟꯖꯥꯛ ꯋꯥꯠꯄꯒꯤ ꯂꯥꯏꯑꯣꯡ ꯑꯃꯁꯨꯡ ꯃꯁꯤꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯄꯥꯝꯕꯩ
ꯄꯥꯝꯕꯤꯁꯤꯡꯅ ꯃꯄꯨꯡ ꯃꯔꯩ ꯐꯥꯗꯨꯅ ꯄꯣꯠꯊꯣꯛ ꯄꯨꯊꯣꯛꯅꯕ ꯍꯣꯠꯅꯕ ꯃꯇꯝꯗ ꯆꯪꯂꯤꯕ ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ
ꯃꯆꯤꯟꯖꯥꯛ ꯃꯈꯜꯁꯤꯡ ꯑꯁꯤ ꯑꯃ ꯅꯠꯇ꯭ꯔꯒ ꯑꯃ ꯋꯥꯠꯄ ꯃꯇꯝꯗ ꯄꯥꯝꯕꯤꯁꯤꯡ ꯑꯗꯨꯗ ꯇꯣꯉꯥꯟ
ꯇꯣꯉꯥꯟꯕ ꯂꯥꯏꯑꯣꯡ ꯀꯌꯥ ꯎꯠꯂꯤ꯫ ꯎꯠꯊꯣꯔꯛꯀꯗꯕ ꯂꯥꯏꯑꯣꯡꯁꯤꯡ ꯑꯗꯨ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯆꯤꯟꯖꯥꯛ ꯃꯈꯜ
ꯈꯦꯟꯅꯕꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯅ ꯂꯥꯏꯑꯣꯡꯁꯨ ꯈꯦꯟꯅꯩ꯫
ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ : ꯆꯨꯖꯥꯛ ꯍꯥꯏꯕ ꯄꯥꯝꯕꯤ ꯑꯁꯤ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟꯒꯤ ꯆꯥꯡ ꯋꯥꯡꯅ ꯃꯊꯧ ꯇꯥꯕ ꯄꯥꯝꯕꯤ ꯑꯃ
ꯑꯣꯏꯕꯅ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯋꯥꯠꯄꯒꯤ ꯂꯥꯏꯑꯣꯡ ꯌꯥꯝꯅ ꯉꯟꯅ ꯎꯠꯊꯣꯛꯀꯅꯤ꯫ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯋꯥꯠꯄ ꯄꯥꯝꯕꯤꯁꯤꯡ ꯆꯥꯎꯗꯝ ꯊꯤꯟꯕꯒ ꯂꯣꯏꯅꯅ ꯆꯨꯖꯥꯛꯀꯤ ꯃꯍꯩ ꯄꯤꯛꯏ ꯑꯃꯁꯨꯡ ꯃꯔꯨ ꯃꯁꯤꯡ ꯌꯥꯝꯅ ꯄꯥ- ꯟꯗꯦ꯫ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯋꯥꯠꯄ ꯄꯥꯝꯕꯤꯁꯤꯡꯒꯤ ꯑꯅꯧꯕ ꯃꯅꯥꯁꯤꯡ ꯑꯗꯨ ꯑꯁꯪꯕ ꯃꯆꯨꯗ ꯋꯥꯎꯊꯕꯒ ꯂꯣꯏꯅꯅ ꯑꯔꯤꯕ ꯃꯅꯥꯁꯤꯡ ꯆꯔꯨ ꯃꯆꯨ ꯑꯣꯏꯔꯛꯏ꯫ ꯂꯣꯏꯅꯅ ꯀꯪꯁꯤꯟꯕ ꯍꯧꯔꯛꯏ꯫ ꯑꯔꯤꯕ ꯃꯅꯥꯗ ꯃꯆꯨ ꯑꯣꯟꯕ ꯑꯃꯁꯨꯡ ꯀꯪꯁꯤꯟꯕ ꯑꯗꯨ ꯃꯅꯥꯒꯤ ꯃꯌꯥꯏ ꯊꯪꯕ ꯁꯔꯨꯛꯇꯒꯤ ꯍꯧꯔꯛꯂꯒ ꯃꯅꯥꯒꯤ ꯃꯇꯥꯏ ꯑꯃꯁꯨꯡ ꯃꯇꯣꯟ ꯊꯪꯕ ꯁꯔꯨꯛꯇ ꯁꯟꯗꯣꯔꯛꯏ꯫ ꯄꯥꯝꯕꯤꯁꯤꯡꯗ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯋꯥꯠꯄꯒꯤ ꯂꯥꯏꯑꯣꯡ ꯑꯁꯤ ꯃꯄꯨꯡ ꯑꯣꯏꯅ ꯂꯩꯉꯣꯏꯅ ꯅꯝꯕꯒ ꯂꯣꯏꯅꯅ ꯅꯣꯡ ꯀꯥ ꯍꯦꯟꯅ ꯇꯥꯕ ꯑꯣꯔꯒꯥꯅꯤꯛ ꯃꯦꯇꯔ ꯌꯥꯎꯕꯒꯤ ꯆꯥꯡ ꯅꯦꯝꯕ, ꯏꯁꯤꯡ ꯊꯨꯝꯖꯤꯟꯗꯨꯅ ꯂꯩꯕ ꯃꯐꯝ ꯑꯃꯗꯤ ꯂꯧꯐꯝꯗꯨ ꯂꯤꯁꯥꯡ ꯁꯤꯠꯅ ꯂꯧꯎ-ꯁꯤꯡꯎ ꯇꯧꯔꯛꯂꯕ ꯃꯐꯝꯗ ꯆꯨꯖꯥꯛꯇ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯋꯥꯠꯄꯒꯤ ꯂꯥꯏꯑꯣꯡꯁꯤꯡ ꯑꯁꯤ ꯊꯣꯛꯍꯟꯗꯅꯕꯒꯤꯗꯃꯛ ꯊꯥꯒꯗꯧꯔꯤꯕ ꯃꯐꯝ ꯑꯗꯨ ꯂꯩꯕꯥꯛ ꯂꯩꯍꯥꯎ ꯍꯥꯟꯅ ꯆꯥꯡꯌꯦꯡ ꯇꯧꯊꯣꯛꯂꯕ ꯃꯇꯨꯡꯗ ꯂꯧꯐꯝ ꯑꯗꯨꯒꯤꯗꯃꯛ ꯍꯥꯞꯐꯝ ꯊꯣꯛꯄ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟꯒꯤ ꯁꯔꯨꯛ ꯑꯗꯨꯒꯤ ꯇꯪꯈꯥꯏ ꯑꯃ ꯑꯔꯣꯏꯕ ꯂꯧꯑꯣꯟ ꯈꯣꯏꯗ꯭ꯔꯤꯉꯩꯗ ꯆꯥꯏꯁꯤꯟꯕꯤꯒꯅꯤ꯫ ꯍꯥꯞꯐꯝ ꯊꯣꯛꯄ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟꯁꯤꯡ ꯑꯁꯤ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯍꯥꯔ (ꯌꯨꯔꯤꯌꯥ) ꯑꯃꯗꯤ ꯁꯟꯊꯤ ꯁꯟꯌꯨꯡꯗꯒꯤ ꯐꯪꯅꯕ ꯍꯣꯠꯅꯕꯒ mOTeeAzotabacter eGfDjxAzospirillum ꯒ꯭ꯔꯥꯝ 20 ꯃꯔꯨ ꯀꯦꯖꯤ ꯑꯃꯒꯤ ꯆꯥꯡꯗ ꯇꯣꯠꯄꯤꯗꯨꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯅ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯐꯪꯅꯕ ꯍꯣꯠꯅꯒꯗꯕꯅꯤ꯫ ꯆꯨꯖꯥꯛꯇ ꯆꯥꯏꯐꯝ ꯊꯣꯛꯄ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟꯒꯤ ꯁꯔꯨꯛ
ꯇꯪꯈꯥꯏ ꯑꯃ ꯆꯥꯏꯈ꯭ꯔꯕ ꯃꯇꯨꯡꯗ ꯂꯦꯝꯍꯧꯔꯤꯕ ꯁꯔꯨꯛ ꯇꯪꯈꯥꯏ ꯑꯅꯤꯔꯛ ꯊꯣꯛꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯅ ꯈꯨꯛꯎ ꯃꯨꯛ ꯋꯥꯡꯂꯛꯄ ꯃꯇꯝ ꯑꯃꯗꯤ ꯆꯨꯖꯥꯛ ꯄꯥꯝꯕꯤꯗ ꯆꯨꯔꯥ ꯃꯥꯟꯕ ꯃꯄꯥꯜ ꯂꯥꯛꯄ ꯃꯇꯝꯗ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯋꯥꯠꯄꯒꯤ ꯂꯥꯏꯑꯣꯡ ꯑꯁꯤ ꯊꯨꯅ ꯀꯣꯛꯍꯟꯒꯦ ꯍꯥꯏꯔꯕꯗꯤ ꯌꯨꯔꯤꯌꯥ ꯒ꯭ꯔꯥꯝ 300 ꯏꯁꯤꯡ ꯂꯤꯇꯔ 15 ꯒꯤ ꯆꯥꯡꯗ ꯌꯥꯜꯂꯒ ꯃꯅꯥꯗ ꯀꯥꯞꯄꯤꯒꯅꯤ꯫ ꯑꯁꯨꯝꯅ ꯃꯅꯥꯗ ꯀꯥꯞꯄ ꯑꯁꯤ ꯅꯨꯃꯤꯠ 10-15 ꯅꯤꯒꯤ ꯆꯥꯡꯗ ꯀꯥꯟꯅꯔꯒ ꯀꯥꯞꯄꯤꯒꯅꯤ꯫
ꯐꯣꯁꯐꯔꯁ : ꯃꯆꯤꯟꯖꯥꯛ ꯃꯈꯜ ꯑꯁꯤ ꯋꯥꯠꯄ ꯄꯥꯝꯕꯤ ꯃꯈꯜꯁꯤꯡ ꯑꯗꯨ ꯆꯥꯎꯗꯝ ꯊꯤꯟꯕꯒ ꯂꯣꯏꯅꯅ ꯄꯥꯝꯕꯤꯁꯤꯡ ꯑꯗꯨ ꯃꯌꯥꯡ ꯏꯀꯪ ꯀꯪꯏ ꯑꯃꯗꯤ ꯃꯍꯩ ꯄꯥꯟꯕꯒꯤ ꯃꯇꯝ ꯊꯦꯡꯊꯩ꯫ ꯐꯣꯁꯐꯔꯁ ꯋꯥꯠꯄꯒꯤ ꯂꯥꯏꯑꯣꯡ ꯑꯗꯨ ꯑꯔꯤꯕ ꯃꯅꯥꯁꯤꯡꯗ ꯍꯥꯟꯅ ꯎꯠꯊꯣꯔꯛꯏ꯫ ꯆꯨꯖꯥꯛ ꯄꯥꯝꯕꯤꯒꯤ ꯑꯔꯤꯕ ꯃꯅꯥꯁꯤꯡꯒꯤ ꯃꯇꯣꯟ ꯑꯃꯁꯨꯡ ꯃꯇꯥꯏ ꯊꯪꯕ ꯁꯔꯨꯛꯁꯤꯡꯗꯨ ꯀꯣꯝꯕꯤꯔꯩ ꯃꯆꯨ (ꯄꯔꯄꯜ) ꯑꯣꯏꯔꯞ ꯇꯧꯔꯛꯄꯒ ꯂꯣꯏꯅꯅ ꯃꯈꯣꯛꯂꯣꯝꯗ ꯆꯪꯁꯤꯜꯂꯛꯀꯅꯤ꯫ ꯂꯧꯐꯝ ꯑꯗꯨꯒꯤ ꯃꯊꯧ ꯇꯥꯕ ꯐꯣꯁꯐꯔꯁ ꯑꯁꯤ ꯂꯧꯐꯝ ꯑꯗꯨ ꯂꯩꯕꯥꯛ ꯂꯩꯍꯥꯎ ꯆꯥꯡꯌꯦꯡ ꯇꯧꯊꯣꯛꯂꯕ ꯃꯇꯨꯡꯗ ꯆꯪꯐꯝ ꯊꯣꯛꯄ ꯑꯄꯨꯟꯕ ꯐꯣꯁꯐꯔꯁꯁꯤꯡ ꯑꯗꯨ ꯑꯔꯣꯏꯕ ꯂꯧꯑꯣꯟ ꯈꯣꯏꯗ꯭ꯔꯤꯉꯩꯗ ꯆꯥꯏꯁꯤꯟꯕꯤꯗꯨꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯗ ꯐꯪꯍꯟꯅꯕ ꯍꯣꯠꯅꯒꯗꯕꯅꯤ꯫ ꯗꯔꯀꯥꯔ ꯂꯩꯕ ꯐꯣꯁꯐꯔꯁꯁꯤꯡ ꯑꯗꯨ ꯁꯟꯊꯤ-ꯁꯟꯌꯨꯡ ꯑꯃꯁꯨꯡ ꯁꯤꯡꯒꯜ ꯁꯨꯄꯔ ꯐꯣꯁꯐꯦꯁꯠꯇꯒꯤ ꯐꯪꯍꯟꯒꯗꯕꯅꯤ꯫ ꯆꯨꯖꯥꯛꯁꯤꯡ ꯑꯗꯨ ꯐꯣꯁꯐꯔꯁ ꯋꯥꯠꯄꯒꯤ ꯑꯋꯥꯕꯗꯒꯤ ꯀꯣꯛꯅꯕꯒꯤꯗꯃꯛ ꯃꯔꯨ ꯀꯦꯖꯤ ꯑꯃꯒꯤ ꯆꯥꯡꯗ Phosphate Solubilising ꯜꯡꯖꯗꯍ ꯝꯨꯅꯃꯦ (PSBA) ꯒ꯭ꯔꯥꯝ 20 ꯒꯤ ꯆꯥꯡꯗ ꯇꯣꯠꯄꯤꯍꯧꯒꯗꯕꯅꯤ꯫ ꯄꯣꯇꯥꯁꯤꯌꯝ : ꯆꯨꯖꯥꯛ ꯄꯥꯝꯕꯤꯗ ꯄꯣꯇꯤꯁꯤꯌꯝ ꯋꯥꯠꯂꯦ ꯍꯥꯏꯕꯗꯤ ꯄꯥꯝꯕꯤꯁꯤꯡ ꯑꯗꯨꯒꯤ ꯃꯇꯥꯡ ꯑꯅꯤꯒꯤ ꯀꯥꯔꯛ ꯑꯗꯨ ꯇꯦꯟꯁꯤꯜꯂꯛꯄꯅ ꯃꯔꯝ ꯑꯣꯏꯗꯨꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯗꯨ ꯅꯦꯝꯒꯅꯤ꯫ ꯄꯥꯝꯕꯤ ꯃꯈꯜ-ꯁꯤꯡ ꯑꯁꯤ ꯃꯨꯅ ꯁꯪꯕ ꯃꯆꯨ ꯃꯥꯡꯈꯤꯕꯒ ꯂꯣꯏꯅꯅ ꯁꯨꯡꯒ꯭ꯔꯪ ꯃꯥꯡꯒ꯭ꯔꯪꯅꯕꯒꯤ ꯃꯑꯣꯡꯗ ꯂꯩꯕ ꯊꯦꯡꯅꯕꯤꯒ-ꯅꯤ꯫ ꯑꯅꯧꯕ ꯃꯅꯥꯁꯤꯡ ꯇꯒꯠ ꯇꯒꯠ ꯇꯦꯛꯂꯕꯁꯨ ꯑꯔꯤꯕ ꯃꯅꯥꯒꯤ ꯃꯇꯣꯟ ꯑꯃꯁꯨꯡ ꯃꯇꯥꯏ ꯊꯪꯕ ꯁꯔꯨ- ꯛꯁꯤꯡ ꯆꯔꯨ ꯃꯆꯨ ꯑꯣꯏꯔꯛꯄꯒ ꯂꯣꯏꯅꯅ ꯀꯪꯁꯤꯜꯂꯛꯀꯅꯤ꯫
ꯑꯁꯨꯝꯅ ꯃꯆꯨ ꯑꯣꯟꯕ ꯑꯃꯁꯨꯡ ꯀꯪꯁꯤꯜꯂꯛꯄꯒꯤ ꯊꯕꯛ ꯑꯁꯤ ꯃꯅꯥꯒꯤ ꯃꯇꯣꯟ ꯑꯃꯁꯨꯡ ꯃꯇꯥ- ꯏꯗꯒꯤ ꯍꯧꯔꯛꯂꯒ ꯃꯅꯥꯒꯤ ꯃꯈꯣꯛꯂꯣꯝꯗ ꯑꯁꯨꯝ ꯆꯪꯁꯤꯜꯂꯛꯏ꯫ ꯄꯣꯇꯥꯁꯤꯌꯝ ꯋꯥꯠꯄ ꯄꯥꯝꯕꯤꯗ ꯄꯥꯟꯕ ꯆꯨꯖꯥꯛ ꯑꯗꯨ ꯄꯤꯛꯄꯒ ꯂꯣꯏꯅꯅ ꯃꯍꯩꯒꯤ ꯃꯇꯣꯟ ꯊꯪꯕ ꯁꯔꯨꯛ ꯑꯗꯨ ꯆꯨꯖꯥꯛ ꯃꯔꯨ ꯄꯥꯟꯗꯕ ꯑꯃꯗꯤ ꯃꯇꯣꯟ ꯑꯗꯨ ꯏꯇꯨꯝ ꯇꯨꯝꯃꯤ꯫ ꯄꯣꯇꯥꯁꯤꯌꯝ ꯀꯥ ꯍꯦꯟꯅ ꯋꯥꯠꯄ ꯄꯥꯝꯕꯤꯁꯤꯡꯒꯤ ꯃꯈꯥ ꯊꯪꯕ ꯁꯔꯨꯛ ꯑꯗꯨ ꯉꯥꯡꯂꯩꯅꯕ ꯃꯆꯨꯒꯤ ꯃꯔꯨꯝ ꯃꯔꯨꯝꯁꯤꯡ ꯂꯩꯔꯛꯏ꯫
ꯄꯣꯇꯥꯁꯤꯌꯝ ꯋꯥꯠꯄꯒꯤ ꯑꯋꯥꯕꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕꯒꯤꯗꯃꯛ ꯂꯧꯐꯝ ꯑꯗꯨ ꯍꯥꯟꯅ ꯆꯥꯡꯌꯦꯡ ꯇꯧ- ꯊꯣꯛꯂꯒ ꯆꯥꯟꯅꯕ ꯄꯣꯇꯥꯁꯤꯌꯝꯒꯤ ꯆꯥꯡ ꯑꯗꯨ ꯑꯔꯣꯏꯕ ꯂꯧꯑꯣꯟ ꯈꯣꯏꯕꯗ ꯍꯥꯞꯄꯤꯗꯨꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯗ ꯄꯣꯇꯥꯁꯤꯌꯝ ꯋꯥꯠꯄꯒꯤ ꯑꯋꯥꯕꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯍꯣꯠꯅꯒꯗꯕꯅꯤ꯫
ꯁꯜꯐꯔ : ꯆꯨꯖꯥꯛ ꯄꯥꯝꯕꯤꯁꯤꯡꯗ ꯁꯜꯐꯔ ꯋꯥꯠꯄꯒꯤ ꯂꯥꯏꯑꯣꯡ ꯑꯁꯤ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯋꯥꯠꯄꯒꯨꯝ ꯃꯅꯥꯒꯤ ꯑꯁꯪꯕ ꯃꯆꯨ ꯑꯗꯨ ꯋꯥꯎꯊꯔꯛꯏ꯫ ꯁꯜꯐꯔ ꯋꯥꯠꯄ ꯄꯥꯝꯕꯤꯁꯤꯡꯗ ꯃꯅꯥꯒꯤ ꯃꯆꯨ ꯋꯥꯎꯊꯔꯛꯄ ꯄꯥꯝꯕꯤꯁꯤꯡꯗꯅ ꯑꯔꯤꯕ ꯃꯅꯥꯗꯒꯤ ꯍꯧꯔꯛꯏ꯫ ꯄꯥꯝꯕꯤꯁꯤꯡꯗ ꯁꯜꯐꯔ ꯋꯥꯠꯄꯒꯤ ꯂꯥꯏꯑꯣꯡ ꯎꯕꯤꯔꯕꯗꯤ ꯑꯦꯃꯣꯅꯤꯌꯝ ꯁꯜꯐꯦꯠ ꯅꯠꯇ꯭ꯔꯒ ꯃꯦꯒꯅꯦꯁꯤꯌꯝ ꯁꯜꯐꯦꯠꯀꯨꯝꯕꯕꯨ ꯑꯍꯧꯕ ꯄꯥꯝꯕꯤꯗ ꯆꯥꯏꯕꯤꯔꯒ ꯏꯁꯤꯡ ꯆꯟꯕꯤꯒꯅꯤ꯫

ꯀꯦꯜꯁꯤꯌꯝ : ꯃꯆꯤꯟꯖꯥꯛ ꯃꯈꯜ ꯑꯁꯤ ꯋꯥꯠꯄ ꯄꯥꯝꯕꯤꯁꯤꯡꯒꯤ ꯑꯅꯧꯕ ꯃꯌꯣꯜ ꯑꯗꯨ ꯀꯣꯟꯁꯤꯟꯗꯨꯅ ꯆꯤꯡꯊꯣꯛꯄ ꯉꯝꯗꯅ ꯂꯩꯕ, ꯑꯅꯧꯕ ꯃꯅꯥꯁꯤꯡ ꯑꯗꯨꯗ ꯑꯉꯧꯕ ꯃꯄꯥꯛ ꯃꯄꯥꯛ ꯂꯩꯕꯒ ꯂꯣꯏꯅꯅ ꯃꯐꯝꯁꯤꯡ
ꯑꯗꯨꯗ ꯏꯔꯥꯏ ꯂꯥꯏꯅ ꯁꯦꯒꯥꯏꯔꯛꯄ, ꯀꯔꯤꯒꯨꯝꯕ ꯃꯇꯝꯗ ꯃꯅꯥꯒꯤ ꯃꯇꯣꯟꯁꯤꯡ ꯑꯗꯨ ꯊꯪꯅꯕ ꯃꯅꯥꯒꯤ
ꯃꯈꯣꯛ ꯊꯪꯕ ꯁꯔꯨꯛꯇ ꯐꯥꯖꯤꯟꯗꯨꯅ ꯂꯩꯈꯤꯕꯗꯒꯤ ꯃꯅꯥꯁꯤꯡ ꯑꯗꯨ ꯃꯔꯤ ꯃꯔꯤ ꯁꯝꯅꯈꯤꯗꯨꯅ ꯀꯩꯔꯥꯛ
ꯃꯑꯣꯡ ꯃꯥꯟꯅ ꯂꯩꯕ ꯊꯦꯡꯅꯕꯤꯒꯅꯤ꯫ ꯊꯧꯑꯣꯡ ꯑꯁꯤ ꯃꯄꯨꯡ ꯑꯣꯏꯅ ꯀꯥ ꯍꯦꯟꯅ ꯁꯤꯟꯕ ꯂꯧꯐꯝꯁꯤꯡꯗ ꯊꯦꯡꯅꯕꯤꯒꯅꯤ꯫ ꯃꯔꯝ ꯑꯗꯨꯅ ꯂꯥꯏꯑꯣꯡ ꯑꯁꯤ ꯎꯠꯂꯛꯄ ꯂꯧꯐꯝꯁꯤꯡ ꯑꯗꯨ ꯁꯨꯅꯨ ꯆꯥꯏꯕꯤꯗꯨꯅ ꯀꯦꯜꯁꯤꯌꯝ
ꯋꯥꯠꯄꯒꯤ ꯑꯋꯥꯕꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯍꯣꯠꯅꯕꯤꯒꯗꯕꯅꯤ꯫

ꯗꯥ. ꯋꯥꯏꯈꯣꯝ ꯖꯤꯇꯦꯟ
ꯏꯪꯁꯤꯜꯂꯛꯄ ꯃꯇꯝꯗ ꯌꯦꯟꯁꯤꯡ ꯁꯦꯟꯅꯕꯤꯕ
ꯑꯏꯪ-ꯑꯁꯥ ꯌꯦꯡꯅꯕ ꯃꯔꯀꯔꯤꯒꯤ ꯂꯦꯚꯦꯜ ꯍꯟꯊꯔꯛꯄꯅ ꯃꯔꯝ ꯑꯣꯏꯗꯨꯅ ꯃꯔꯨꯝ ꯑꯃꯗꯤ ꯃꯁꯥ ꯆꯥꯅꯅꯕ ꯌꯦꯟ ꯌꯣꯛꯄꯤꯔꯤꯕ ꯀꯥꯡꯕꯨꯁꯤꯡꯅ ꯃꯁꯥ ꯃꯁꯥꯒꯤ ꯌꯦꯟꯁꯤꯡ ꯅꯤꯡꯊꯤꯅ ꯊꯝꯕꯤꯕ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯅꯤꯡꯊꯝꯊꯥ ꯃꯇꯝꯗꯗꯤ ꯏꯪꯕꯒꯤ ꯆꯥꯡꯁꯤ 550
ꯑꯦꯐꯀꯤ ꯃꯈꯥꯗ ꯂꯩꯕꯅꯤꯅ ꯁꯃꯁ꯭ꯌꯥ ꯀꯌꯥ
ꯑꯃ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯍꯥꯏꯔꯕꯗ ꯃꯔꯨꯝ ꯀꯣꯛꯄꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯕ, ꯃꯆꯥ ꯀꯣꯛꯄꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯕ, ꯏꯁꯤꯡ ꯊꯛꯄꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯕ, ꯃꯆꯥ ꯑꯣꯟꯕꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯕ ꯑꯁꯤꯅꯆꯤꯡꯕ ꯀꯌꯥ ꯑꯃ ꯃꯥꯌꯣꯛꯅꯔꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗ ꯍꯦꯟꯅ ꯆꯦꯛꯁꯤꯟ ꯊꯧꯔꯥꯡ ꯀꯌꯥ ꯑꯃ ꯂꯧꯕꯤꯕ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯆꯦꯛꯁꯤꯟ ꯊꯧꯔꯥꯡ ꯀꯌꯥ ꯑꯃ ꯌꯦꯟꯕꯨꯁꯤꯡꯅ ꯂꯧꯕꯤꯅꯕ ꯃꯈꯥꯗ ꯊꯝꯖꯔꯤ :
- ꯌꯦꯟꯒꯣꯟꯒꯤ ꯃꯥꯏꯑꯣꯟ

- ꯅꯨꯡꯁꯤꯠ ꯅꯨꯡꯁꯥ ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯆꯪꯍꯟꯕ
- ꯃꯀꯣꯟꯗ ꯋꯥꯏꯁꯤꯡ ꯅꯠꯇ꯭ꯔꯒ ꯍꯣꯔꯥꯏ ꯃꯀꯨꯞ ꯅꯠꯇ꯭ꯔꯒ ꯆꯔꯨ ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯍꯥꯞꯄꯤꯕ
- ꯃꯆꯤꯟꯖꯥꯛ ꯅꯤꯡꯊꯤꯅ ꯄꯤꯖꯕꯤꯕ
- ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯑꯐꯕ ꯑꯔꯨꯕ ꯏꯁꯤꯡ ꯊꯝꯕꯤꯕ
- ꯃꯀꯣꯟꯗ ꯃꯩ ꯅꯤꯡꯊꯤꯅ ꯐꯪꯍꯟꯕ
ꯌꯦꯟꯒꯣꯟꯒꯤ ꯃꯥꯏꯑꯣꯟ :

ꯌꯦꯟꯒꯤ ꯃꯀꯣꯟ ꯁꯥꯕ ꯃꯇꯝꯗ ꯌꯦꯟꯁꯤꯡꯅ ꯂꯩꯕ ꯅꯨꯉꯥꯏꯅꯕ ꯁꯥꯕꯤꯕ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯌꯦꯟꯒꯣꯟ ꯁꯥꯕ ꯃꯇꯝꯗ ꯅꯨꯡꯁꯤꯠ ꯅꯨꯡꯁꯥ ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯐꯪꯍꯟꯕꯔꯣꯝꯗ ꯃꯥꯏ ꯑꯣꯟꯁꯤꯜꯂꯒ ꯁꯥꯕꯤꯒꯅꯤ꯫ ꯅꯤꯡ-ꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗꯗꯤ ꯅꯨꯡꯁꯥ ꯐꯪꯕꯒꯤ ꯃꯇꯝ ꯇꯦꯟꯁꯤꯟꯕꯅ ꯃꯥꯏꯑꯣꯟꯁꯤ ꯑꯍꯥꯟꯕ ꯅꯨꯡꯁꯥ ꯐꯪꯕꯂꯣꯝꯗ ꯃꯥꯏ ꯑꯣꯟꯁꯤꯟꯕꯤꯒꯅꯤ꯫ ꯃꯁꯤꯅ ꯅꯨꯡꯁꯥ ꯃꯉꯥꯜ ꯑꯃꯗꯤ ꯁꯣꯂꯔ ꯏꯅꯔꯖꯤ ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯐꯪꯕ ZAT! ꯅꯨꯃꯤꯗꯥꯡꯒꯤ ꯃꯇꯝꯗꯗꯤ ꯅꯨꯡꯁꯤꯠ ꯑꯏꯪꯕ ꯁꯤꯠꯄ ꯃꯔꯝꯅ ꯅꯨꯡꯁꯥ ꯃꯉꯥꯜ ꯍꯦꯛ ꯆꯪꯈꯤꯕꯒ ꯅꯨꯡꯁꯤꯠ ꯑꯏꯪꯕ ꯆꯪꯗꯅꯕ ꯃꯀꯣꯟꯒꯤ ꯑꯀꯣꯏꯕꯗꯨ ꯕꯣꯔꯥꯅ ꯅꯠꯇ꯭ꯔꯒ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯆꯦꯕꯥꯡꯅ ꯀꯨꯞꯁ-ꯤꯟꯕꯤꯔꯒ ꯃꯊꯪꯒꯤ ꯅꯨꯃꯤꯠꯀꯤ ꯅꯨꯡꯁꯥ ꯃꯉꯥꯜ ꯂꯥꯛꯇ꯭ꯔꯤꯐꯥꯎꯕ ꯊꯝꯕꯤꯒꯅꯤ꯫
ꯅꯨꯡꯁꯤꯠ ꯅꯨꯡꯁꯥ ꯆꯪꯍꯟꯕ :
ꯌꯦꯟꯁꯤꯡ ꯂꯨꯝꯅꯕꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯃꯀꯣꯟꯗꯨ ꯄꯨꯔꯥ ꯀꯨꯞꯁꯤꯜꯂꯒꯗꯤ ꯅꯨꯡꯁꯤꯠ ꯆꯪꯊꯣꯛ ꯆꯪꯁꯤꯟ ꯇꯧꯐꯝ ꯂꯩꯇꯗꯨꯅ ꯌꯦꯟꯁꯤꯡ ꯃꯁꯥꯗ ꯑꯀꯥꯏꯕ ꯀꯌꯥ ꯑꯃ ꯄꯤꯔꯛꯀꯅꯤ꯫ ꯌꯦꯟꯁꯤꯡ ꯁ꯭ꯋꯔ ꯍꯣꯟ-ꯗꯣꯛ ꯍꯣꯟꯖꯤꯟ ꯇꯧꯕ ꯃꯇꯝꯗ ꯏꯁꯤꯡꯒꯤ ꯃꯅꯤꯜ ꯌꯥꯝꯅ ꯌꯥꯎꯏ꯫ ꯃꯁꯤꯗꯁꯨ ꯅꯠꯇꯅ ꯌꯦꯟꯊꯤꯗꯁꯨ ꯏꯁꯤꯡꯒꯤ ꯃꯅꯤꯜ ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯌꯥꯎꯏ꯫ ꯃꯁꯤꯅ ꯃꯀꯣꯟ ꯃꯅꯨꯡꯗ ꯅꯨꯡꯁꯤꯠ ꯆꯪꯊꯣꯛ ꯆꯪꯁꯤꯟ ꯇꯧꯕ ꯃꯇꯝꯗ ꯑꯀꯥꯏꯕ ꯀꯌꯥ ꯑꯃ ꯄꯤꯔꯤ꯫ ꯃꯁꯤꯗꯁꯨ ꯅꯠꯇꯅ ꯌꯦꯟꯊꯤꯗ ꯑꯦꯃꯣꯅꯤꯌꯥꯒꯤ ꯆꯥꯡ ꯌꯥꯝꯅ ꯋꯥꯡꯅ ꯌꯥꯎꯏ꯫ ꯑꯦꯃꯣꯅꯤꯌꯥ ꯒ꯭ꯌꯦꯁꯁꯤ ꯅꯨꯡꯁꯤꯠꯇꯒꯤ ꯍꯦꯟꯅ ꯂꯨꯝꯃꯤ꯫ ꯅꯤꯡꯊꯤꯅ ꯅꯨꯡꯁꯤꯠ ꯊꯣꯛꯐꯝ ꯂꯩꯇ꯭ꯔꯒꯗꯤ ꯑꯦꯃꯣꯅꯤꯌꯥ ꯒ꯭ꯌꯦꯁꯇꯨ ꯃꯀꯣꯟ ꯃꯅꯨꯡꯗ ꯆꯥꯏꯔꯒ ꯂꯩꯔꯒꯅꯤ꯫ ꯃꯁꯤꯅ \ꯦꯟꯒꯤ ꯃꯃꯤꯠꯇ ꯃꯄꯤ ꯇꯥꯍꯜꯂꯤ ꯑꯃꯗꯤ ꯁ꯭ꯋꯔ ꯍꯣꯟꯕꯗ ꯋꯥꯅ ꯍꯣꯜꯍꯜꯂꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯃꯀꯣꯟ ꯃꯅꯨꯡꯒꯤ ꯐꯠꯇꯕ ꯅꯨꯡꯁꯤꯠ ꯑꯃꯗꯤ ꯒ꯭ꯌꯦꯁ ꯃꯌꯥꯝꯁꯤ ꯆꯤꯡꯊꯣꯛꯅꯕ exhaust fan ꯑꯃ ꯃꯀꯣꯟꯗ ꯍꯥꯞꯄꯤꯕ ꯃꯊꯧ ꯇꯥꯏ ꯅꯠꯇ꯭ꯔꯒꯅ ꯅꯨꯡꯁꯤꯠ ꯅꯨꯡꯁꯥ ꯍꯦꯟꯅ ꯆꯪꯊꯣꯛ ꯆꯪꯁꯤꯟ ꯇꯧꯅꯕ ꯅꯤꯡꯊꯤꯅ ꯚꯦꯟꯇꯤꯂꯦꯁꯟ ꯊꯝꯕꯤꯕ ꯃꯊꯧ ꯇꯥꯏ꯫
ꯃꯀꯣꯟꯗ ꯋꯥꯏꯁꯤꯡ ꯅꯠꯇ꯭ꯔꯒ ꯆꯔꯨ ꯅꯠꯇ꯭ꯔꯒ ꯍꯣꯔꯥꯏ ꯃꯀꯨꯞ ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯍꯥꯞꯄꯤꯕ : ꯌꯦꯟꯅꯥꯎ ꯃꯆꯥ ꯊꯝꯗ꯭ꯔꯤꯉꯩꯗ ꯌꯦꯟꯒꯣꯟꯒꯤ ꯂꯩꯃꯥꯏꯗꯨ ꯅꯤꯡꯊꯤꯅ ꯁꯦꯡꯗꯣꯛꯂꯕ ꯇꯨꯡꯗ ꯋꯥꯏ ꯅꯠꯇ꯭ꯔꯒ ꯍꯣꯔꯥꯏ ꯃꯀꯨꯞ ꯅꯠꯇ꯭ꯔꯒ ꯆꯔꯨ ꯀꯛꯂꯒ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫ ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗꯗꯤ ꯋꯥꯏ ꯅꯠꯇ꯭ꯔꯒ ꯍꯣꯔꯥꯏ ꯃꯀꯨꯞ ꯍꯥꯞꯄꯒꯤ ꯆꯥꯡꯁꯤ ꯂꯩꯃꯥꯏꯗꯒꯤ ꯏꯟꯆꯤ 6 ꯀꯤ ꯆꯥꯡꯗ ꯊꯟꯅ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫ ꯋꯥꯏꯁꯤꯡ ꯍꯥꯞꯄ ꯃꯇꯝꯗ ꯑꯐꯕ ꯑꯃꯗꯤ ꯑꯀꯪꯕ ꯋꯥꯏꯁꯤꯡ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫ ꯃꯁꯤꯅ ꯌꯦꯟꯅ ꯂꯩꯕ ꯃꯇꯝꯗ ꯅꯨꯉꯥꯏꯅ ꯂꯩꯕ ꯉꯝꯍꯜꯂꯤ ꯑꯃꯗꯤ ꯑꯆꯣꯠꯄ ꯃꯊꯤꯁꯤꯡꯁꯨ ꯋꯥꯏꯗꯨꯅ ꯆꯨꯞꯁꯤꯟꯕꯗꯒꯤ ꯃꯀꯣꯟꯗꯨ ꯀꯪꯅ ꯂꯩꯕ
ꯉꯝꯍꯜꯂꯤ ꯑꯃꯗꯤ ꯌꯦꯟꯁꯤꯡꯁꯨ ꯃꯊꯤ ꯇꯩꯗꯅ ꯀꯪꯅ ꯂꯩꯕꯒ ꯂꯣꯏꯅꯅ ꯂꯨꯝꯅ ꯂꯩꯕ ꯉꯝꯍꯜꯂꯤ꯫ ꯃꯆꯤꯟꯖꯥꯛ ꯅꯤꯡꯊꯤꯅ ꯄꯤꯖꯕ :

- ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤꯖꯔꯒ ꯌꯦꯟꯁꯤꯡꯁꯤ ꯃꯁꯥ ꯂꯨꯝꯅ ꯊꯝꯕ ꯉꯝꯍꯜꯂꯤ, ꯃꯁꯥꯒꯤ ꯃꯊꯧ ꯅꯤꯡꯊꯤꯅ ꯄꯥꯡꯊꯣꯛꯄ ꯉꯝꯍꯜꯂꯤ ꯑꯃꯗꯤ ꯁꯥꯍꯧ ꯐꯅ ꯂꯩꯍꯜꯂꯤ꯫
- ꯃꯆꯤꯟꯖꯥꯛ ꯆꯥꯕꯒꯤ ꯈꯦꯟꯅꯕꯁꯤ ꯑꯏꯪ ꯑꯁꯥꯒꯤ ꯆꯥꯡ ꯍꯦꯟꯒꯠꯄ ꯑꯃꯗꯤ ꯇꯥꯍꯟꯕꯒꯤ ꯃꯈꯥ ꯄꯣꯜꯂꯤ꯫ ꯏꯪꯕ ꯃꯇꯝꯗꯗꯤ ꯆꯥꯕꯒꯤ ꯆꯥꯡꯁꯤ ꯍꯦꯜꯂꯤ ꯑꯃꯗꯤ ꯑꯣꯛꯁꯤꯖꯦꯟꯒꯤ ꯗꯤꯃꯥꯟꯗꯁꯨ ꯍꯦꯜꯂꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗ ꯌꯦꯟꯁꯤꯡ ꯑꯁꯤ ꯃꯆꯤꯟꯖꯥꯛ ꯍꯦꯟꯅ ꯄꯤꯖꯕ ꯇꯉꯥꯏꯐꯗꯦ꯫

- ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗ ꯀꯥꯔꯕꯣꯍꯥꯏꯗ꯭ꯔꯦꯠꯀꯤ ꯆꯥꯡ ꯍꯦꯟꯅ ꯌꯥꯎꯕ ꯃꯆꯤꯟꯖꯥꯛꯁꯤꯡ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯍꯥꯏꯔꯕꯗ ꯆꯨꯖꯥꯛ, ꯆꯦꯡꯀꯨꯞ ꯑꯁꯤꯅꯆꯤꯡꯕ ꯑꯃꯗꯤ ꯑꯇꯣꯞꯄ ꯅ꯭ꯌꯨꯇ꯭ꯔꯤꯑꯦꯟꯠ ꯃꯌꯥꯝ ꯑꯃ ꯍꯦꯟꯅ ꯆꯥꯏ ꯍꯥꯏꯗꯨꯅ ꯍꯦꯟꯅ ꯍꯥꯞꯂꯒ ꯄꯤꯖꯔꯒꯗꯤ ꯑꯔꯦꯝꯕ ꯑꯃ ꯑꯣꯏꯍꯜꯂꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗꯗꯤ ꯊꯔꯣꯏ ꯅꯠꯇ꯭ꯔꯒ ꯐꯦꯠꯀꯤ ꯁꯔꯨꯛ ꯍꯦꯟꯅ ꯌꯥꯎꯕ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯍꯥꯏꯔꯕꯗ ꯍꯥꯎꯊꯤ, ꯉꯥꯀꯨꯞ ꯑꯁꯤꯅꯆꯤꯡꯕ ꯃꯆꯤꯟꯖꯥꯛꯁꯤꯡꯁꯤ ꯑꯣꯏꯅ ꯍꯦꯟꯅ ꯄꯤꯖꯕ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯃꯁꯤꯅ ꯌꯦꯟꯅ ꯄꯥꯝꯂꯤꯕ ꯏꯅꯔꯖꯤꯗꯨ ꯆꯥꯡ ꯑꯃꯗ ꯊꯝꯕ ꯉꯝꯍꯜꯂꯤ꯫
- ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗꯗꯤ ꯃꯆꯤꯟꯖꯥꯛꯁꯤꯡ ꯍꯦꯟꯅ ꯑꯃꯗꯤ ꯋꯥꯡꯅ ꯍꯥꯞꯄꯤꯕꯒ ꯂꯣꯏꯅꯅ ꯄꯥꯇ꯭ꯔꯒꯤ ꯃꯁꯤꯡ ꯀꯥꯂꯦꯟꯊꯥꯗꯒꯤ ꯍꯦꯟꯅ ꯊꯝꯕꯤꯒꯅꯤ꯫
- ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤꯖꯕ ꯃꯇꯝꯗ ꯅꯨꯃꯤꯗꯥꯡꯋꯥꯏꯔꯝꯗ ꯈꯔ ꯍꯦꯟꯅ ꯄꯤꯖꯕꯤꯔꯒꯗꯤ ꯑꯍꯤꯡ ꯆꯨꯞꯄ ꯂꯨꯝꯅ ꯂꯩꯕ ꯉꯝꯍꯜꯂꯤ꯫
ꯏꯁꯤꯡ ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯅꯤꯡꯊꯤꯅ ꯊꯝꯕꯤꯕ :
- ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗꯗꯤ ꯌꯦꯟꯁꯤꯡꯅ ꯏꯁꯤꯡ ꯊꯛꯄꯒꯤ ꯆꯥꯡꯁꯤ ꯅꯦꯝꯃꯤ꯫ ꯏꯁꯤꯡꯒꯤ
ꯄꯥꯇ꯭ꯔ ꯈꯨꯗꯤꯡꯃꯛꯇ ꯏꯁꯤꯡ ꯂꯦꯝꯗꯨꯅ ꯂꯩꯍꯜꯂꯤ ꯑꯗꯨꯕꯨ ꯂꯦꯝꯂꯤꯕ ꯏꯁꯤꯡ ꯈꯨꯗꯤꯡꯃꯛ ꯇꯣꯏꯅ ꯑꯐꯕ ꯏꯁꯤꯡꯅ ꯃꯍꯨꯠ ꯁꯤꯟꯕꯤꯒꯅꯤ꯫
- ꯑꯐꯕ ꯏꯁꯤꯡ ꯄꯥꯇ꯭ꯔꯁꯤꯡꯗ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫ ꯀꯔꯤꯒꯨꯝꯕ ꯏꯁꯤꯡꯗꯨ ꯀꯥ ꯍꯦꯟꯅ ꯏꯪꯕ ꯇꯥꯔꯒꯗꯤ ꯑꯁꯥꯕ ꯏꯁꯤꯡꯒ ꯌꯥꯟꯅꯕꯤꯔꯒ ꯅꯣꯔꯃꯦꯜ ꯇꯥꯍꯟꯕꯤꯔꯒ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫
- ꯏꯁꯤꯡꯗ ꯍꯗꯤꯥꯛ, ꯇꯤꯀꯥꯁꯤꯡ ꯑꯃꯗꯤ ꯑꯇꯣꯞꯄ ꯚꯤꯇꯥꯃꯤꯟ ꯃꯌꯥꯝ ꯑꯃ ꯍꯥꯞꯂꯒ ꯄꯤ- ꯊꯛꯄꯁꯨ ꯌꯥꯎꯔꯛꯏ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯃꯇꯝꯗꯗꯤ ꯏꯁꯤꯡꯒꯤ ꯆꯥꯡꯁꯤ ꯈꯔ ꯍꯟꯊꯅ ꯍꯥꯞꯄꯤꯒꯅꯤ ꯑꯃꯗꯤ ꯏꯁꯤꯡꯒꯤ ꯄꯥꯇ꯭ꯔꯁꯤꯡ ꯃꯇꯝ ꯈꯔ ꯃꯀꯣꯟꯗꯒꯤ ꯂꯧꯊꯣꯛꯂꯕ ꯃꯇꯨꯡꯗ ꯌꯦꯟꯁꯤꯡꯅ ꯏꯁꯤꯡ ꯈꯧꯔꯥꯡꯕ ꯀꯥꯟꯗ ꯊꯝꯕꯤꯔꯒ ꯌꯦꯟꯁꯤꯡ ꯈꯨꯗꯤꯡꯃꯛꯅ ꯊꯛꯄ ꯐꯪꯍꯟꯕꯤꯒꯅꯤ꯫ ꯃꯀꯣꯟꯗ ꯃꯩ ꯅꯤꯡꯊꯤꯅ ꯐꯪꯍꯟꯕ :
ꯌꯦꯟꯅꯥꯎ ꯃꯆꯥꯁꯤꯡꯁꯨ ꯃꯩ ꯋꯥꯠꯂꯒꯗꯤ ꯑꯃꯒꯤ ꯃꯊꯛꯇ ꯑꯃ ꯂꯣꯟꯈꯠꯅꯗꯨꯅ ꯑꯃꯒ ꯑꯃꯒ ꯅꯦ- ꯠꯁꯤꯟꯅꯗꯨꯅ ꯁꯤꯕ ꯐꯥꯎꯕ ꯌꯥꯎꯏ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯌꯦꯟꯅꯥꯎꯁꯤꯡꯗ ꯃꯩ ꯋꯥꯠꯍꯟꯗꯅ ꯊꯝꯕꯤꯕ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯀꯔꯤꯒꯨꯝꯕ ꯄꯤꯔꯤꯕ ꯃꯩꯗꯨꯒꯤ ꯃꯩꯁꯥ ꯋꯥꯠꯄ ꯇꯥꯔꯒꯗꯤ ꯃꯩꯔꯣꯝꯗ ꯄꯨꯟꯁꯤꯟꯗꯨꯅ ꯂꯩꯕ ꯊꯦꯡꯅꯒꯅꯤ ꯑꯗꯨꯒ ꯀꯔꯤꯒꯨꯝꯕꯗ ꯍꯦꯟꯕ ꯇꯥꯔꯒꯗꯤ ꯄꯤꯔꯤꯕ ꯃꯩꯗꯨꯗꯒꯤ ꯆꯦꯟꯊꯣꯛꯇꯨꯅ ꯂꯩꯕ ꯊꯦꯡꯅꯕꯤꯒꯅꯤ꯫ ꯆꯞ ꯆꯥꯕ ꯃꯩꯁꯥ ꯑꯣꯏꯔꯒꯗꯤ ꯑꯀꯣꯏꯕꯗ ꯀꯣꯏꯆꯦꯟ ꯆꯦꯟꯗꯨꯅ ꯂꯩꯕ ꯎꯒꯅꯤ꯫ ꯌꯦꯟꯁꯤꯡ ꯃꯔꯨꯝ ꯀꯣꯛꯅꯕ ꯍꯣꯠꯅꯕꯗ ꯅꯣꯡꯃꯗ ꯃꯈꯣꯏꯅ ꯄꯥꯝꯂꯤꯕ ꯃꯩꯁꯥꯁꯤ ꯄꯨꯡ 14-16 ꯃꯨꯛꯅꯤ ꯑꯗꯨꯕꯨ ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗꯗꯤ ꯍꯥꯏꯔꯤꯕ ꯃꯩꯁꯥꯁꯤ ꯄꯨꯡ 14 ꯌꯧꯅ ꯐꯪꯕ ꯉꯝꯗꯦ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯌꯦꯟꯕꯨꯁꯤꯡꯅ ꯇꯣꯉꯥꯟꯅ ꯃꯩ ꯄꯤꯕ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗꯗꯤ ꯌꯦꯟꯁꯤꯡꯁꯤ ꯂꯨꯝꯅ ꯊꯝꯕꯅ ꯁꯥꯍꯧ ꯐꯅ ꯂꯩꯕ ꯉꯝꯍꯜꯂꯤ꯫ ꯌꯦꯟꯕꯨꯁꯤꯡꯅ ꯃꯁꯥ ꯃꯁꯥꯒꯤ ꯌꯦꯟꯁꯤꯡ ꯅꯤꯡꯊꯝꯊꯥꯒꯤ ꯃꯇꯝꯗ ꯅꯤꯡꯊꯤꯅ ꯃꯆꯤꯟꯖꯥꯛ ꯑꯃꯗꯤ ꯃꯩ-ꯏꯁꯤꯡ ꯅꯤꯡꯊꯤꯅ ꯄꯤꯗꯨꯅ ꯁꯥꯍꯧ ꯐꯅ ꯑꯃꯗꯤ ꯍꯦꯟꯅ ꯄꯣꯠꯊꯣꯛ ꯂꯩꯅ ꯌꯣꯛꯄꯤꯗꯨꯅ ꯍꯦꯟꯅ ꯁꯦꯟꯗꯣꯡ ꯂꯩꯕ ꯑꯣꯏꯍꯟꯁꯤ꯫ =

- ÿ- ꯗꯥ. ꯁꯔꯥꯡꯊꯦꯝ ꯖꯦꯁꯃꯥꯔꯥꯅꯤ