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YFVTS----SKHIGKTFVVEQRSFNNLFRSFDRLWVMMHILFLQAAI IAWERQVVLIT
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IVRGEYQLAARLNVFKTYRERTWAAVFRAYRYVIAAHLVLYHGMQQAQAF--YRISIT
LVDVYKDVWIKVFFKTYKETSRSWFHMLVNFNRIWV IHLTSMYFYTAFNSP--ACWGV
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-----AIGHARATSTM

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GVRNE--VKSNAAAIVAVWAPIMVYFMDTQIWIYAFSTVFGVSGALSHVGEIRTLGML
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PIRTQ--GTNNIGVIALWAPIILVYFMDTQIWIYIYIYTLGGYVGFADRLGEIRTLGML
GLHRQ--VKSNAAGVVAIWAPIILVYFMDTQIWIYIYIYTLGGYVGFADRLGEIRTLGML
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-----GILGQLFVLLLCIWFVILFFLVFSLFTFTLWDPSSWN--LLGLPQ-----LL
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GDEHKE-LDDCYNFLEEMAGTHQVQLKGLNLGCLYQCRACAE LMKASILEV-NEEAALDIV

GDAHAD-MAPCFVVEESIVNRTALKGLNVANLYDLRSASAE LMQAILDT-SDPASMAIV
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CRTVQGLMYGAAIRLLAEIEQVPVQH-----IEDLVKTKFTYVAVACQIYGRQK
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-----RALRLLARWEGYEGES-----LEQLVRSKYSYVVTQCVYGTGK
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KEER----NTEFLLRAYPDLQIAYLDEEPPVNEEPRLYSALIDHGMRRPKFRQLSGNP
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KEER----NTEFLLRAYPDLQIAYLDEEPPATEPRIYSALIDHGMRRPKFRQLSGNP
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KEER----NTEFLLRAYPDLQIAYLDEEPPANEDPRIYSALIDHSMRRPKFRQLSGNP
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KDER----NTEFLLRAYPDLQIAYLDEEPPVNEEPRLYSALIDHGHKRRPKFRQLSGNP
KEEM----NAEFLLRAYPDLQIAYLDEEPPLAEEPRLYSALIDHGHKRRPKFRQLSGNP
REEQ----NAEFLLRAYPDLQIAYLEEEPPAKEDPRLFSALIDHGHKRRPKFRIELPGNP
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KEEQ----NAEFLLRAYPDLQIAYLDEEPPKKEELRFSALIDHGHKRRPKFRIELPGNP
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PEER----NKEFLLRTPQLQIAYLDEEIDDI-DESTFYSVLDGSGERVPKYRIKLSGNP
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-----LG-
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