auto boot test

35-196062　　Shin TOITA[*]

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1　Ising

result

$$0 = F_{-,1}^{\sigma\sigma,\sigma\sigma} + \lambda_{\sigma\sigma\epsilon}{}^2 F_{-,\epsilon}^{\sigma\sigma,\sigma\sigma} + \sum_{\hat{O}^+:I^+} \lambda_{\sigma\sigma\hat{O}}{}^2 F_{-,\hat{O}}^{\sigma\sigma,\sigma\sigma}, \tag{1. 1}$$

$$0 = F_{-,1}^{\epsilon\epsilon,\epsilon\epsilon} + \lambda_{\epsilon\epsilon\epsilon}{}^2 F_{-,\epsilon}^{\epsilon\epsilon,\epsilon\epsilon} + \sum_{\hat{O}^+:I^+} \lambda_{\epsilon\epsilon\hat{O}}{}^2 F_{-,\hat{O}}^{\epsilon\epsilon,\epsilon\epsilon}, \tag{1. 2}$$

$$0 = \lambda_{\sigma\sigma\epsilon}{}^2 F_{-,\sigma}^{\epsilon\sigma,\epsilon\sigma} + \sum_{\hat{O}^-:I^-} \lambda_{\epsilon\sigma\hat{O}}{}^2 F_{-,\hat{O}}^{\epsilon\sigma,\epsilon\sigma} + \sum_{\hat{O}^+:I^-} \lambda_{\epsilon\sigma\hat{O}}{}^2 F_{-,\hat{O}}^{\epsilon\sigma,\epsilon\sigma}, \tag{1. 3}$$

$$\begin{aligned} 0 = {}& F_{-,1}^{\epsilon\epsilon,\sigma\sigma} + \lambda_{\sigma\sigma\epsilon}{}^2 F_{-,\sigma}^{\epsilon\sigma,\sigma\epsilon} + \lambda_{\sigma\sigma\epsilon}\lambda_{\epsilon\epsilon\epsilon} F_{-,\epsilon}^{\epsilon\epsilon,\sigma\sigma} \\ & - \sum_{\hat{O}^-:I^-} \lambda_{\epsilon\sigma\hat{O}}{}^2 F_{-,\hat{O}}^{\epsilon\sigma,\sigma\epsilon} + \sum_{\hat{O}^+:I^-} \lambda_{\epsilon\sigma\hat{O}}{}^2 F_{-,\hat{O}}^{\epsilon\sigma,\sigma\epsilon} + \sum_{\hat{O}^+:I^+} \lambda_{\sigma\sigma\hat{O}}\lambda_{\epsilon\epsilon\hat{O}}] F_{-,\hat{O}}^{\epsilon\epsilon,\sigma\sigma}, \end{aligned} \tag{1. 4}$$

$$\begin{aligned} 0 = {}& F_{+,1}^{\epsilon\epsilon,\sigma\sigma} - \lambda_{\sigma\sigma\epsilon}{}^2 F_{+,\sigma}^{\epsilon\sigma,\sigma\epsilon} + \lambda_{\sigma\sigma\epsilon}\lambda_{\epsilon\epsilon\epsilon} F_{+,\epsilon}^{\epsilon\epsilon,\sigma\sigma} \\ & + \sum_{\hat{O}^-:I^-} \lambda_{\epsilon\sigma\hat{O}}{}^2 F_{+,\hat{O}}^{\epsilon\sigma,\sigma\epsilon} - \sum_{\hat{O}^+:I^-} \lambda_{\epsilon\sigma\hat{O}}{}^2 F_{+,\hat{O}}^{\epsilon\sigma,\sigma\epsilon} + \sum_{\hat{O}^+:I^+} \lambda_{\sigma\sigma\hat{O}}\lambda_{\epsilon\epsilon\hat{O}} F_{+,\hat{O}}^{\epsilon\epsilon,\sigma\sigma} \end{aligned} \tag{1. 5}$$

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