

$$\begin{aligned}
X_a = & (1, 5)(2, 4)(6, 41)(7, 42)(8, 16)(9, 17)(10, 15)(13, 14)(21, 23)(22, 24)(25, 32) \\
& (26, 31)(27, 30)(28, 33)(29, 34)(36, 37)(38, 39)(43, 154)(44, 155)(45, 196)(46, 198) \\
& (47, 197)(48, 142)(49, 143)(50, 170)(51, 169)(52, 158)(53, 159)(54, 166)(55, 161) \\
& (56, 162)(57, 163)(58, 172)(59, 171)(60, 160)(61, 168)(62, 167)(63, 157)(64, 156) \\
& (65, 165)(66, 164)(67, 178)(68, 174)(69, 182)(70, 181)(71, 177)(72, 173)(73, 180) \\
& (74, 179)(75, 176)(76, 175)(77, 152)(78, 153)(79, 188)(80, 190)(81, 189)(82, 145) \\
& (83, 146)(84, 149)(85, 150)(86, 151)(87, 144)(88, 148)(89, 147)(90, 141)(91, 140) \\
& (92, 136)(93, 137)(94, 138)(95, 126)(96, 127)(97, 183)(98, 184)(99, 113)(100, 112) \\
& (103, 109)(107, 115)(108, 114)(110, 111)(116, 121)(118, 125)(119, 124)(122, 123) \\
& (128, 131)(132, 133)(134, 186)(135, 187)(139, 185)
\end{aligned}$$