=====TRUE vs PREDICTION VALUES ON CROSS-VALIDATION DATA =====

True Type 1:

['Sequence11' 'Sequence12' 'Sequence14' 'Sequence19' 'Sequence3'
 'Sequence37' 'Sequence39' 'Sequence4' 'Sequence46' 'Sequence8']

True Type 2:

['Sequence11' 'Sequence12' 'Sequence13' 'Sequence14' 'Sequence22'
 'Sequence23' 'Sequence25' 'Sequence27' 'Sequence34' 'Sequence39']

True Type 3:

['Sequence16' 'Sequence22' 'Sequence26' 'Sequence27' 'Sequence31'
 'Sequence33' 'Sequence38' 'Sequence45' 'Sequence46' 'Sequence48']

True Type 4:

['Sequence10' 'Sequence2' 'Sequence21' 'Sequence23' 'Sequence3'
 'Sequence33' 'Sequence38' 'Sequence42' 'Sequence8' 'Sequence9']

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There are 10 Predicted Type 1:

['Sequence11' 'Sequence12' 'Sequence14' 'Sequence19' 'Sequence3'
 'Sequence37' 'Sequence39' 'Sequence4' 'Sequence46' 'Sequence8']

There are 10 Predicted Type 2:

['Sequence11' 'Sequence12' 'Sequence13' 'Sequence14' 'Sequence22'
 'Sequence23' 'Sequence25' 'Sequence27' 'Sequence34' 'Sequence39']

There are 10 Predicted Type 3:

['Sequence16' 'Sequence22' 'Sequence26' 'Sequence27' 'Sequence31'
 'Sequence33' 'Sequence38' 'Sequence45' 'Sequence46' 'Sequence48']

There are 10 Predicted Type 4:

['Sequence10' 'Sequence2' 'Sequence21' 'Sequence23' 'Sequence3'
 'Sequence33' 'Sequence38' 'Sequence42' 'Sequence8' 'Sequence9']

========= PREDICTION ON 200 SEQUENCES TEST DATA =========

There are 100 Type 1 Sequences:

['Sequence0' 'Sequence1' 'Sequence10' 'Sequence11' 'Sequence12'
 'Sequence13' 'Sequence14' 'Sequence15' 'Sequence16' 'Sequence17'
 'Sequence18' 'Sequence19' 'Sequence2' 'Sequence20' 'Sequence21'
 'Sequence22' 'Sequence23' 'Sequence24' 'Sequence25' 'Sequence26'
 'Sequence27' 'Sequence28' 'Sequence29' 'Sequence3' 'Sequence30'
 'Sequence31' 'Sequence32' 'Sequence33' 'Sequence34' 'Sequence35'
 'Sequence36' 'Sequence37' 'Sequence38' 'Sequence39' 'Sequence4'
 'Sequence40' 'Sequence41' 'Sequence42' 'Sequence43' 'Sequence44'
 'Sequence45' 'Sequence46' 'Sequence47' 'Sequence48' 'Sequence49'
 'Sequence5' 'Sequence50' 'Sequence51' 'Sequence52' 'Sequence53'
 'Sequence54' 'Sequence55' 'Sequence56' 'Sequence57' 'Sequence58'
 'Sequence59' 'Sequence6' 'Sequence60' 'Sequence61' 'Sequence62'
 'Sequence63' 'Sequence64' 'Sequence65' 'Sequence66' 'Sequence67'
 'Sequence68' 'Sequence69' 'Sequence7' 'Sequence70' 'Sequence71'
 'Sequence72' 'Sequence73' 'Sequence74' 'Sequence75' 'Sequence76'
 'Sequence77' 'Sequence78' 'Sequence79' 'Sequence8' 'Sequence80'
 'Sequence81' 'Sequence82' 'Sequence83' 'Sequence84' 'Sequence85'
 'Sequence86' 'Sequence87' 'Sequence88' 'Sequence89' 'Sequence9'
 'Sequence90' 'Sequence91' 'Sequence92' 'Sequence93' 'Sequence94'
 'Sequence95' 'Sequence96' 'Sequence97' 'Sequence98' 'Sequence99']

There are 0 Type 2 Sequences:

[]

There are 50 Type 3 Sequences:

['Sequence100' 'Sequence101' 'Sequence102' 'Sequence103' 'Sequence104'
 'Sequence105' 'Sequence106' 'Sequence107' 'Sequence108' 'Sequence109'
 'Sequence110' 'Sequence111' 'Sequence112' 'Sequence113' 'Sequence114'
 'Sequence115' 'Sequence116' 'Sequence117' 'Sequence118' 'Sequence119'
 'Sequence120' 'Sequence121' 'Sequence122' 'Sequence123' 'Sequence124'
 'Sequence125' 'Sequence126' 'Sequence127' 'Sequence128' 'Sequence129'
 'Sequence130' 'Sequence131' 'Sequence132' 'Sequence133' 'Sequence134'
 'Sequence135' 'Sequence136' 'Sequence137' 'Sequence138' 'Sequence139'
 'Sequence140' 'Sequence141' 'Sequence142' 'Sequence143' 'Sequence144'
 'Sequence145' 'Sequence146' 'Sequence147' 'Sequence148' 'Sequence149']

There are 50 Type 4 Sequences:

['Sequence150' 'Sequence151' 'Sequence152' 'Sequence153' 'Sequence154'
 'Sequence155' 'Sequence156' 'Sequence157' 'Sequence158' 'Sequence159'
 'Sequence160' 'Sequence161' 'Sequence162' 'Sequence163' 'Sequence164'
 'Sequence165' 'Sequence166' 'Sequence167' 'Sequence168' 'Sequence169'
 'Sequence170' 'Sequence171' 'Sequence172' 'Sequence173' 'Sequence174'
 'Sequence175' 'Sequence176' 'Sequence177' 'Sequence178' 'Sequence179'
 'Sequence180' 'Sequence181' 'Sequence182' 'Sequence183' 'Sequence184'
 'Sequence185' 'Sequence186' 'Sequence187' 'Sequence188' 'Sequence189'
 'Sequence190' 'Sequence191' 'Sequence192' 'Sequence193' 'Sequence194'
 'Sequence195' 'Sequence196' 'Sequence197' 'Sequence198' 'Sequence199']