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\sigma_{(0,1)}'s kernel is span of
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$\sigma_{(0,2)}$'s kernel is span of

$\sigma_{(0,3)}$'s kernel is span of

$\sigma_{(0,4)}$'s kernel is span of

$\sigma_{(1,2)}$'s kernel is span of

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\sigma_{(1,3)}'s kernel is span of
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$\sigma_{(1,4)}$'s kernel is span of

$\sigma_{(2,3)}$'s kernel is span of

$\sigma_{(2,4)}$'s kernel is span of

$\sigma_{(3,4)}$'s kernel is span of