

$2^5 + 5^2 = 57$ Varieties by NeilFred Picciotto (Renfield)

For each cell of the below grids, find the *longest word* you can that contains exactly the vowels indicated. Any number of Y's are always allowed.

| | | No E's | | Exactly one E | |
|---|--------------------------------|--------|---|---------------|--|
| | | No A's | Exactly one A | No A's | Exactly one A |
| No U's No O's No I's Exactly one O Exactly one I | No I's | | | | |
| | No O's | | | | |
| | Exactly one I | | | | |
| | No I's | | | | |
| | Exactly one O Exactly one I | | Exactly one A, one I, and one O, but no E's, and no U's; e.g. PRODIGALLY | | |
| No U's No O's No I's Exactly one U Exactly one O Exactly one I | No I's | | | | |
| | No O's | | | | |
| | Exactly one I | | | | Exactly one A, one E, one I, and one U, but no O's; e.g. ANTIQUES |
| | No I's | | | | |
| | Exactly one O Exactly one I | | | | |

One vowel appears at least twice, no others appear at all. Any number of Y's are always allowed.

| 2 or more ... | | | | |
|---------------|-----|-----|-----|-----|
| A's | E's | I's | O's | U's |
| | | | | |

More of these than these. No other vowels appear. Any number of Y's are always allowed.

| | | ... and fewer than that many but at least 1 ... | | | |
|---------------|---|--|---|---|---|
| 2 or more ... | A | E | I | O | U |
| A's | | More A's than E's. No I's, no O's, and no U's; e.g. MANAGER | | | |
| E's | | | | | |
| I's | | | | | |
| O's | | | | | |
| U's | | | | | |

EXAMPLE

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For each cell of the below grids, find the *longest word* you can that contains exactly the vowels indicated. Any number of Y's are always allowed.

| | | No E's | | Exactly one E | |
|---------------|---------------|--------|---------------|---------------|---------------|
| | | No A's | Exactly one A | No A's | Exactly one A |
| No U's | No I's | | | | |
| | No O's | | | | |
| No U's | Exactly one I | | | | |
| | Exactly one I | | | | |
| Exactly one U | No I's | | | | |
| | Exactly one O | | | | |
| Exactly one U | Exactly one I | | | | |
| | Exactly one I | | | | |

One vowel appears at least twice, no others appear at all. Any number of Y's are always allowed.

| 2 or more ... | | | | |
|---------------|-----|-----|-----|-----|
| A's | E's | I's | O's | U's |
| | | | | |

More of these than these. No other vowels appear. Any number of Y's are always allowed.

| | | ... and fewer than that many but at least 1 ... | | | | |
|-----|---------------|---|---|---|---|---|
| | | A | E | I | O | U |
| A's | 2 or more ... | | | | | |
| E's | | | | | | |
| I's | | | | | | |
| O's | | | | | | |
| U's | | | | | | |