

James Pronn Ivrics

in honor of Richard Stanley's 70th birthday



What's in *Inventiones* ? I'll tell you what's in *Inventiones*. Folks provin' theorems, 'steada figurin' odds to use for bettin' on the ponies. That's what in *Inventiones* ! What's in the Intelligencer ? I'll tell you what's in the Intelligencer. Articles on abstruse mathematical questions for which countin' plays a role in the answer. That's what's in the Intelligencer ! What's in every math journal? I'll tell you what's in every math journal. Combinatorics achievin' renown as a fountain of truths both beautiful and eternal. That's what's in every math journal! Combinatorialists have one trusted resource; and now it's both a physical and an e-source. Yes sir! Yes ma'am!

When you study balls stuck in separate stalls

Then the facts that you need are in EC1.



When you seek a combinatorial truth EC1's where you go to see if it's so (unless it's in Knuth). When you see a mu with a zeta or two And a delta thrown in for some extra fun

$$\begin{split} \mu_{\widehat{P}}(\widehat{0},\widehat{1}) &= (1+(\zeta-1))^{-1}(\widehat{0},\widehat{1}) \\ &= (1-(\zeta-1)+(\zeta-1)^2-\cdots)(\widehat{0},\widehat{1}) \\ &= \delta(\widehat{0},\widehat{1})-(\zeta-1)(\widehat{0},\widehat{1})+(\zeta-1)^2(\widehat{0},\widehat{1})-\cdots \\ &= c_0-c_1+c_2-\cdots . \end{split}$$

Call it odd, call it even; it's a principle to believe in That the source you're consultin' is EC1. When you see a rook that determines a hook Then the book that you're lookin' at's EC1. When a theorem features a bent letter S All curled up in distress, the theorem's address is not hard to guess.





It's a true proposition known to every math'matician that the opus you've opened is EC1. Noam: Hey, we have eight singers, and Richard is turning seventy. So the verses should be sung by quartets.

Jim: Explain?

Noam: Given eight singers, we can choose a quartet in eight-choose-four ways.

Jim: Oh, I get it. Seventy!

Noam: So in honor of Richard's birthday, could you write seventy verses please?











When your lovely proof springs a leak in its roof Then the patch for your goof is in EC1. But proceed with caution. You never can tell: Maybe page 86 has not just the fix but your proof as well!



Call it plus Call it minus Chalk it all up to Stanley's slyness

'Cause the book that has stumped you is EC1 (or EC2) The book that you're readin' is EC1!