

# yyGrams™

New kind puzzle, range  
easy-easy to hard-hard.

Simple rules, same all levels.  
No numbers, no words to spell,  
no left-right skills.

Generate yyGrams™ for you to solve  
and for challenging friends.

Easy to do! Don't need software! Carry  
anywhere in head! Even desert island,  
or prison! Sand or dirt for paper!

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Inside yang always yin. And outside too!

Is inside yin always yang? Philosopher say, yes.  
I don't know! I never look! haha.

Every yyGram collapse to yin gram or yang gram.  
Maybe depend on name list you load. Or maybe  
collapse always same, maybe stuck yin, maybe  
stuck yang.

Bright question! "How yyGram collapse?"  
Ah-yes! very important, also very simple.

Okay! I show you! haha.

2

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Name, like a, g, m, ... just only business card for  
yyGram not in view. Setup guy maybe build  
name into yyGram. Maybe one name, maybe  
three name, maybe no name! haha.

Like maybe

ㄍmㄍㄍa,

or maybe

hㄍ,

or maybe

ㄍㄍg,

or maybe

ㄍㄍz.

Now with names in yyGram, collapse maybe  
depend on what lie behind names.

4

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# yyGrams™ Puzzle

v 2.0, special glyphs

Puzzle is, uncover shape of unseen yyGram™  
from how it collapse under different loads.

yyGram™ look like ㄍ, or maybe ㄍㄍ,  
maybe ㄍㄍㄍ, or maybe ㄍㄍㄍㄍㄍㄍ, like  
Russian doll inside-inside-inside. haha.

Two special yyGrams, called Simple. First  
Simple yyGram simplest of all. So simple, never  
see her! Key to whole game. Call her yin gram.  
Other Simple yyGram, ㄍ, call him yang gram.

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1

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You see Good Luck, you get collapse!  
Zang Good Luck: ㄍ=, collapse to yin gram.  
Fu Good Luck: ㄍㄍ=ㄍ, collapse to yang gram.

Now for bigger yyGram, more collapse before final:

Eg.1

=ㄍㄍㄍㄍ, setup guy say.

=ㄍㄍㄍ, see Fu Good Luck.

=ㄍㄍ, Fu Good Luck again.

=ㄍ, Zang Good Luck.

Now Simple: yang.

No more Good Luck, no more collapse.

Eg.1 collapse to ㄍ, yang gram.

Okay! you know Zang-Fu arithmetic now! haha.

3

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yyGram Eg.2 =ㄍs, setup guy say.

Oh-oh. Can't see Good Luck for collapse without  
what might be behind names!

For yanglist, give names to substitute ㄍ gram.

Easy first, make empty yanglist { }. This one

say, substitute no name yang gram ㄍ,

the rest yin gram.

Okay! Easy to do! Substitute yin gram every name:

ㄍs | yanglist { }

=ㄍ, substituting.

Simple right away: ㄍ, yang.

ㄍs | yanglist {s}

=ㄍㄍ, subst.

=ㄍ, Fu Good Luck collapse. Simple; yang.

5

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ㄊs | yanglist {t}  
 =ㄨ, subst.  
 = , Zang Good Luck collapse. Simple; yin.

ㄊs | yanglist {s,t}  
 =ㄨ, subst.  
 = ㄨ, zang collapse. Simple; yang.

Make collapse table: Eg.2: ㄊs

, yin	ㄨ, yang
{t}	{}
	{s}
	{s,t}

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Okay! One more before jump in pool.  
 Remember, in puzzle, setup guy hide yyGram.  
 We give setup guy yanglist, she go look, she substitute names, see Good Luck maybe Fu, maybe Zang, collapse all the way to Simple, then come back and tell, "yang." Or maybe, "yin."

We keep collapse report on table, get enough to puzzle out shape of yyGram.

Eg.4 =ㄨg, setup guy say.

Make easy first, give setup guy empty yanglist {}:  
 ㄨg | yanglist {}  
 =ㄨ, under subst {}.  
 =ㄨ, Fu Good Luck. Simple: yang.

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Okay! Got collapse report: ㄨg:

, yin	ㄨ, yang
{s}	{}
{g}	{g,s}

Maybe now solve Pz.5: Pz.5:  
 (Answer Pz.5, Page 11.)

, yin	ㄨ, yang
{y}	{k,y}
{k}	{}

Maybe setup guy say, How many name you want in pool? We say two! Pz.6:

, yin	ㄨ, yang
{h}	{v}
{}	{h,v}

(Setup guy not say how many pool name really in Pz.6. That's okay! Make better puzzle!)

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Now, with table for Eg.2 as pattern, you maybe uncover shape of yyGram™ Pz.3.

All setup guy say about Pz.3 is collapse table:

Table: Pz.3 collapse:

, yin	ㄨ, yang
{r}	{}
	{h}
	{h,r}

Somebody say, Pz.3 = hㄊ, not ㄊh. What to do! Maybe do all those substitute and Good Luck step for hㄊ? Maybe get all same? Haha. Maybe say, line-up order not important, only inside-outside?

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Next maybe give setup guy yanglist {g}:

ㄨg | yanglist {g}  
 =ㄨ, subst {g}  
 =ㄨ, Zang Good Luck. Simple: yang

Next maybe make yanglist {s}:

ㄨg | yanglist {s}  
 =ㄨ, subst {s}.  
 = ㄨ, Zang Good Luck. Simple: yang

Just only one more yanglist to try, {g,s}:

ㄨg | yanglist {g,s}  
 =ㄨ, subst {g,s}.  
 =ㄨ, Zang Good Luck.  
 = ㄨ, Zang Good Luck again.

Next, ㄨg collapse reports in table:

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We maybe experiment first, or maybe stand back, look at collapse report, ask question.

What about v? Does v being in list with h affect collapse? For sure. Jump to yang side.

What about h? Does h being in list with v affect collapse? Nope. Stay on same side with {v}.

So-o-o, h make no difference? What to do!  
 Okay! Leave him out! Make answer yyGram with v only. Easy now to see Pz.6 = v.

Not necessary more instruction.  
 yyGnight™ train self now.

Pz.5 = ㄨy, same as yㄨ  
 Pz.6 = v

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Okay! Good start! Here you see how to get going, but not enough puzzle! Got plenty on web (fast, dialup-fast too, no pop-pop, very quiet). Plenty easy, plenty medium, some hard.

Room for one more, maybe: Pz.7:

, yin	☺, yang
{m,z}	{ }
{m,p,z}	{z}
	{p}
	{m}
	{z,p}
	{m,p}

(Answer: ☺☺<sup>m</sup> same ☺<sup>m</sup>☺.)