## Maryland Evidence-Based Budgeting

Training for Fiscal Staff

Patrick Carter & Pete Bernardy















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	2	12	22	32	42	52	62	72	82	92
	3	13	23	33	43	53	63	73	83	93
	4	14	24	34	44	54	64	74	84	94
	5	15	25	35	45	55	65	75	85	95
	6	16	26	36	46	56	66	76	86	96
	7	17	27	37	47	57	67	77	87	97
	8	18	28	38	48	58	68	78	88	98
	9	19	29	39	49	59	69	79	89	99
RESULTS AMERICA	10	20	30	40	50	60	70	80	90	100





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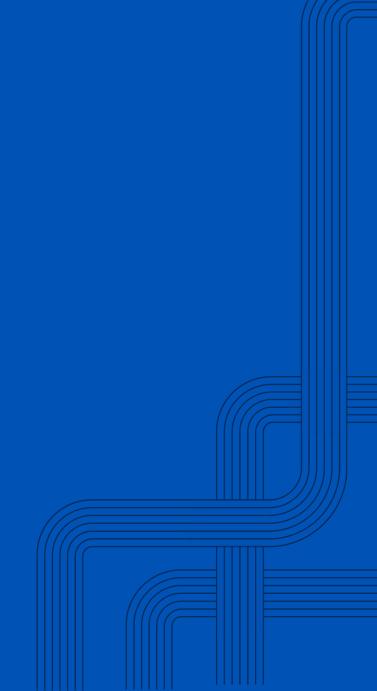
## \$2 Trillion





Results for America's mission is to make investing in what works the "new normal."





## Changing government behavior

#### Standards of Excellence

 Provide benchmarks of ability to use data and evidence

### Implementation Support

Coach on how to invest funds in proven solutions

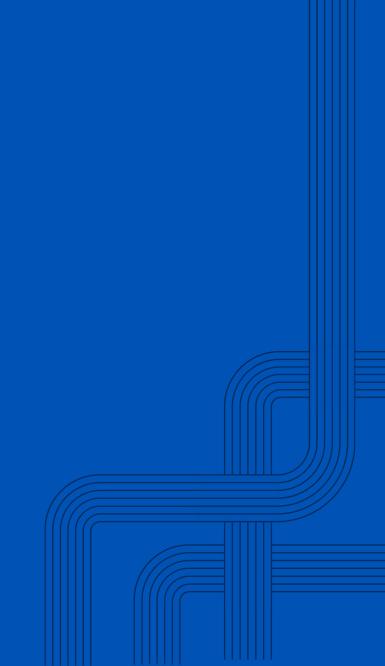
### Momentum Building

 Build understanding of the impact of evidence-based investments



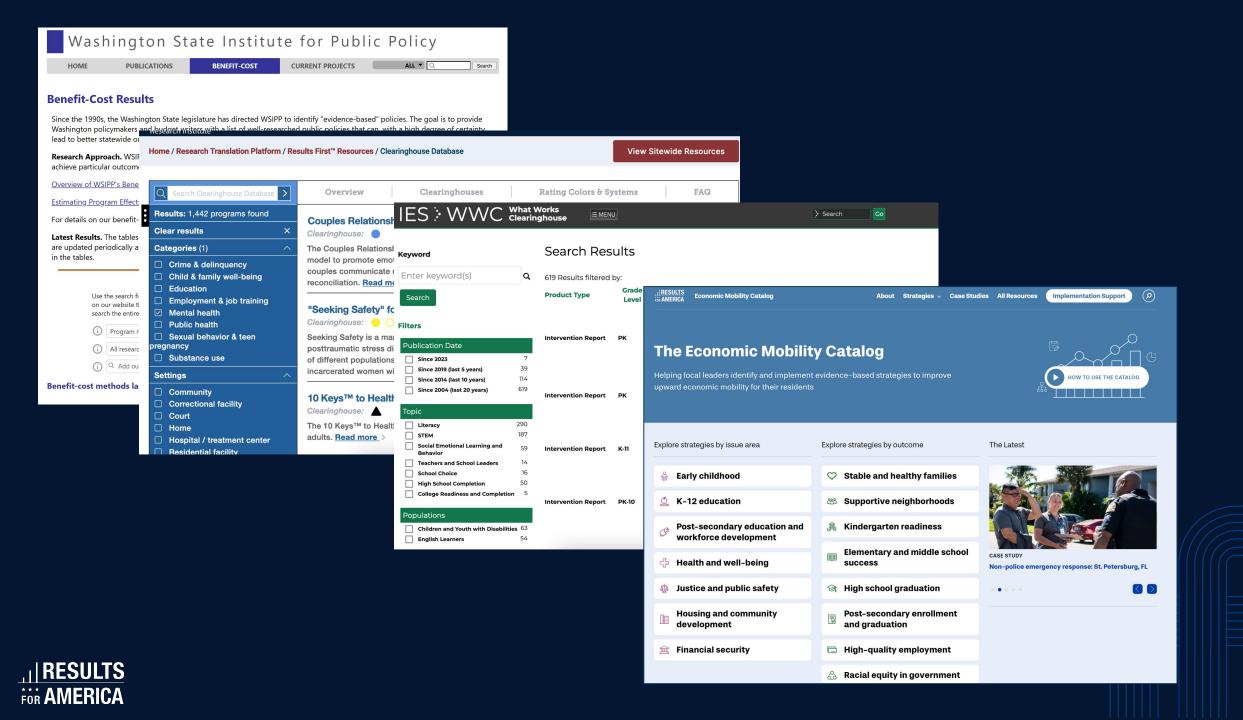


# Programming with Evidence





	AA	AB	AC	AD	AE	AF	AG	АН	Al	AJ
	BA	BB	ВС	BD	BE	BF	BG	ВН	BI	BJ
	CA	СВ	СС	CD	CE	CF	CG	СН	CI	CJ
	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ
	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ
	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ
	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ
	НА	НВ	НС	HD	HE	HF	HG	НН	н	HJ
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RESULTS  AND AMERICA	JA	JB	JC	JD	JE	JF	JG	JH	JI	JJ



AA	AB	AC	AD	AE	AF	AG	АН	Al	AJ
BA	BB	ВС	BD	BE	BF	BG	ВН	BI	BJ
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RESULTS
FOR AMERICA

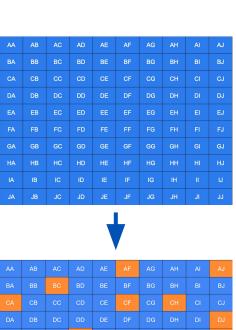
Data from Washington State Institute of Public Policy

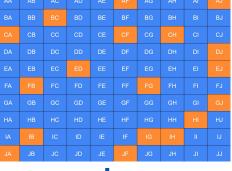
## How do you move from making decisions with this level of information...

To making decisions with evidence....

That will lead to improved outcomes...?









## To affect outcomes, you need to affect the dollars...



Grants and Contracts



Budgets



Direct Services



## Opportunities in grants, RFPs, and contracts

City Of Chicago

Solicitation #9274,3



Delegate Agency Solicitation #9274,3 (RFP)

DFSS Workforce Services: SPRING Forward: Re-Entry, Employment, and Ho Navigation Pilot: Re-Entry and Employment Navigation

Specification Number:1258859

Required for use by: DEPARTMENT OF FAMILY AND SUPPORT SERVICES

Bid/Proposal Submittal Date and Time: 12:00 PM Central Time, 07-APR-2023

Deadline for Questions: Buver: TALBOT, JULIA

Email Address: Julia.Talbot@cityofchicago.org

Phone Number: 3127431679

Pre-Solicitation Conference Date and Time: 09:30 AM Central Time, 23-FEB-2023

Site Vis Site Vis

Please

The Re-entry and Employment Navigation Agency is responsible for the administration of the following primary activities:

#### 1) Outreach and Recruitment:

Respondents must have well-targeted community outreach and recruitment strategies that engage residents returning from IDOC, CCJ, and Chicago-based Transitional Housing sites and enroll them into the Pilot. Respondents must demonstrate a robust outreach approach that may include non-traditional, proactive, trauma-informed techniques that utilize "relentless engagement" with potential participants and must have the capacity to communicate with individuals from various backgrounds and experiences. Respondents must collaborate with DFSS Community Re-entry Support Centers in connecting returning residents to the Pilot. Respondents may need to leverage technology and social media platforms to engage participants who have been referred to the program.

#### 2) Intake screening and assessment for case planning:

Respondent will administer an approved intake and assessment process to determine eligibility and fit for the program. DFSS will partner with respondent after the award letter has been received to finalize and approve the intake and assessment tool. Assessments are used to develop housing and service plans in partnership with the participant and assess areas of strength and priorities based on the participant's need for resources (i.e., substance use treatment, cognitive behavioral therapy (CBT), and other mental health services). Priority will be given to Respondents that demonstrate usage of promising, evidence-based

Up to 45 points out of 100 influenced by evidence

approve the intake and assessment tool. Assessments are used to develop nousing and service plans in partnership with the participant and assess areas of strength and priorities based on the participant's need for resources (i.e., substance use treatment, cognitive behavioral therapy (CBT), and other mental health services). Priority will be given to Respondents that demonstrate usage of promising, evidence-based practices that have emerged from the existing research on re-entry, specifically models that engage returning residents using a version of the risk-need-responsivity (RNR) model: risk – the level of service that persons receive is matched to their risk of recidivism; need – persons are assessed for their unique needs;

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Based on the service plan created during the intake and assessment, utilizing the "ABC" approach, Reentry navigators will connect residents to temporary, subsidized jobs that are integrated with well-structured work-based learning opportunities designed to help participants develop a work history, learn new skills that make them more attractive to potential employers, and/or demonstrate essential on-the-job competencies that prepare them for higher paying jobs with more responsibility and additional learning opportunities. The work-based learning opportunity should last 24 weeks with a minimum of 25



DFSS Workforce Services: SPRING Forward: Re-Entry, Employment, and Housing Navigation Pilot: Re-Entry and Employment Navigation. April 2023

## **Opportunities in budgets**

#### Well-intentioned

"In order to ensure alignment of executive branch agency operations with the state's priorities, the office of management and budget may produce, with all necessary cooperation from executive branch agencies, analyses and recommendations to improve program performance, conduct evidence-based budgeting, and respond to sudden shifts in policy environments."

#### Well-intentioned with "teeth"

"For the purposes of evidence-based budgeting, rigorous evaluations are those that use high-quality experimental or quasi-experimental designs."

Clearinghouse Name the clearinghouse or database that reviewed the program or intervention.	Entry Name & Link Enter the name of the program from a clearinghouse you feel is a good match to your program, and the URL for the page.	Evidence Rating How is this piece of evidence rated in the clearinghouse?
		Click or tap here to enter text.
Important Notes Does your program model or population dif	fer in some way from the cited evidence? Prov	I ide any important notes here.



## Opportunities in statutes and rules

#### Well-intentioned

The following are eligible for grant funds:

- (1) community education and prevention;
- (2) client outreach;
- (3) early identification and intervention;
- (4) adult outpatient diagnostic assessment and psychological testing;
- (5) peer support services.

#### Well-intentioned with "teeth"

[A summer] "learning loss bridge camp" means a four-week educational program.... [that] must provide, at a minimum, the following: Four (4) combined hours of in-person daily instruction,...

Instruction...must be provided by a teacher licensed and endorsed to teach the subjects .... using instructional materials adopted by the state board of education or provided by the department.

MN Statutes 245.4661, Subd. 9.

Tennessee SB 7002, 2021



# Maryland Evidence-Based Budgeting





8 States have a statewide definition of evidence of effectiveness for purposes of budget development

8 states have a default field for evidence collection on statewide internal budget documents

6 states have both





States have a statewide definition of evidence of effectiveness for purposes of budget development

9 states have a default field for evidence collection on statewide internal budget documents

7 states have both



## How evidence is defined for the FY26 Maryland budget process

"evidence-based" means that there is evidence from an experimental or quasi-experimental study that a key program component has been effective in improving a relevant outcome with similar populations or in similar settings.

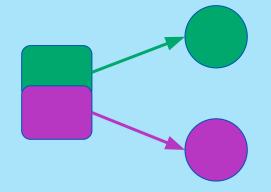
"evidence-building" means a program is planning to conduct an experimental or quasi-experimental study on a key program component in FY 2026.



## **Study Design**

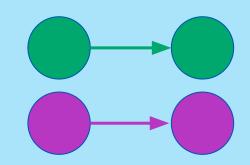
#### **Experimental**

Actively create comparable groups that do and don't have access to the studied program by randomizing participants



#### **Quasi-Experimental**

Use statistical analysis to produce comparison groups without influencing program participation

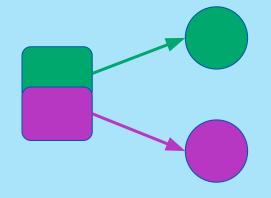




## **Experimental Study Design**

#### **Experimental**

Actively create comparable groups that do and don't have access to the studied program by randomizing participants



#### Example

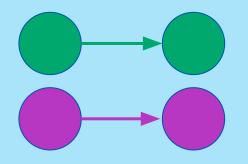
Third grade students are randomly selected to participate in an after-school tutoring program. Test scores before and after the tutoring program are compared between the students who participated in the tutoring program and those who did not in order to identify the impact (both groups would have similar characteristics).



## **Quasi-Experimental Study Design**

### **Quasi-Experimental**

Use statistical analysis to produce comparison groups without influencing program participation



#### Example

In 2022 an after-school tutoring program was provided to all second grade students in one district. Third grade reading scores of students from three other districts are compared to the universal tutoring district with some statistical controls. This will isolate the impact that the program had based on student characteristics, previous scores, geography, etc.



## Sources of Evidence

Sources of evidence include (among others): agency-sponsored evaluation, evidence-based research clearinghouses, academic research institutions, peer-reviewed journals, information from other states, local pilot programs, and your own agency research and data



#### Clearinghouses and Ratings

Resource for Identifying and Evaluating Evidence-Based Programs

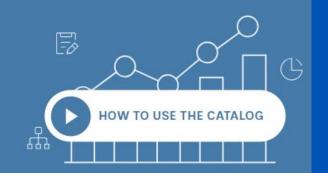
Clearinghouse Name	Rating that meets the strongest definition of evidence = similar populations + informed rationale <sup>1</sup>			
Results for America Economic Mobility Catalog	Proven and Strong meet definition (Promising does not meet definition)			
The Results First Clearinghouse Database	Green/Highest Rated and Yellow/Second Highest Rated meet definition (Blue, Gray, and Red do not meet definition)			
Arnold Ventures' Social Programs that Work	Top Tier, Near Top Tier, and Suggestive Tier meet definition			
U.S. Department of Education What Works Clearinghouse	Strong, Moderate, and Promising meet definition (No Tier Assigned does not meet definition)			
U.S. Department of Health and Human Services HomVee Clearinghouse	Meets U.S. Department of Health and Human Services (HHS) Criteria meets definition			
Center for Research and Reform in Education Evidence for ESSA	Strong, Moderate, and Promising meet definition			
U.S. Department of Education What Works Clearinghouse	Strong, Moderate, and Promising meet definition. (No Tier Assigned does not meet definition)			
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	Results for America Economic Mobility Catalog  The Results First Clearinghouse Database  Arnold Ventures' Social Programs that Work  U.S. Department of Education What Works Clearinghouse  U.S. Department of Health and Human Services HomVee Clearinghouse  Center for Research and Reform in Education Evidence for ESSA  U.S. Department of Education What Works Clearinghouse  Center for Research and Reform in Education Evidence for ESSA  U.S. Department of Education What Works Clearinghouse			

Issue Area	Clearinghouse Name	Rating that meets the strongest definition of evidence = similar populations + informed rationale <sup>1</sup>		
Post-Secondary Education and Workforce Development (cont.)	U.S. Department of Labor Clearinghouse for Labor Evaluation and Research	High or Moderate meet definition if the intervention shows positive impact on important outcomes (Low does not meet definition; Interventions that show a negative impact on importation outcomes do not meet definition)		
	Center for Research and Reform in Education Evidence for ESSA	Strong, Moderate, and Promising meet definition		
	Institute of Behavioral Science Blueprints for healthy youth development	All interventions listed meet definition.		
Health and Well-Being	U.S. Department of Health and Human Services Teen Pregnancy Prevention Evidence Review	Favorable Evidence and Potentially Favorable Evidence meet definition (Indeterminate evidence, Conflicting Evidence, Potentially unfavorable evidence, and Unfavorable evidence do not meet definition)		
	CA Evidence-Based Clearinghouse for Child Welfare	Well-Supported, Supported, and Promising meet definition (Evidence Fails to Demonstrate Effect, Concerning Practice, and Note Rated do not meet definition)		
	Results for America Economic Mobility Catalog - Housing and Community Development	Proven and Strong meet definition (Promising does not meet definition)		
Housing	The Results First Clearinghouse Database - use search option to search for "Housing"	Green/Highest Rated and Yellow/Second Highest Rated meet definition (Blue, Gray, and Red do not meet definition)		
Justice/Public Safety	US Department of Justice Crime Solutions	Effective and Promising meet definition (No Effects does not meet definition)		

<sup>&</sup>lt;sup>1</sup> Informed rationale means the reasoning (such as a theory of change, logic model or narrative description) behind why a program is likely to improve important outcomes in similar contexts and for similar populations, based on research and input from participants and relevant stakeholders.

## **The Economic Mobility Catalog**

Helping local leaders identify and implement evidence-based strategies to improve upward economic mobility for their residents



Explore strategies by issue area



**Early childhood** 



K-12 education



Post-secondary education and workforce development



Health and well-being

Explore strategies by outcome



Stable and healthy families



Supportive neighborhoods



Kindergarten readiness



Elementary and middle school success

The Latest



CASE STUDY

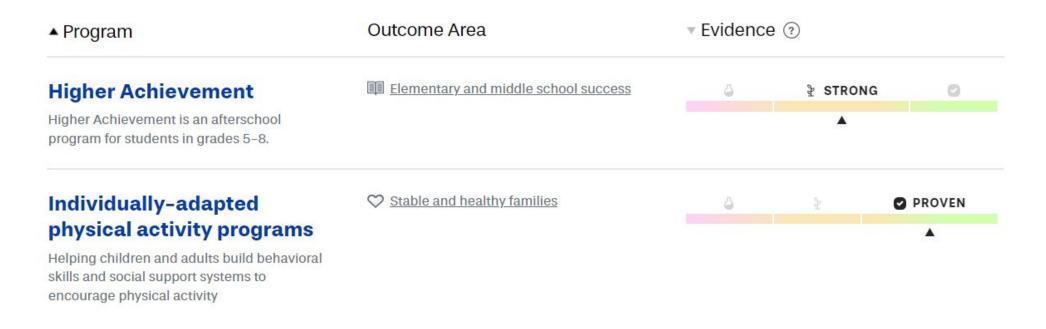
New teacher induction programming: Cedar Rapids, IA

## **Evidence-based strategies**

▲ Strategy	Description	Outcome Areas
Afterschool programs	Academic and/or enrichment programming for children outside of school hours	Elementary and middle school success  High school graduation
Charter schools	Publicly funded, privately operated schools that seek to use greater autonomy to improve student outcomes	Elementary and middle school success  High school graduation
Educator recruitment and retention	Hiring, training, and retaining effective and high-quality teachers and school leaders	Elementary and middle school success   → High school graduation  → High-quality employment
Literacy curricula and interventions	Helping students build the skills they need to read and write at grade level	Elementary and middle school success  High school graduation
Math curricula and	Helping K-12 students develop math skills, knowledge, and problem-solving	Elementary and middle school success



### **Evidence-based examples**



## **Evidence Information Template**

Agencies should summarize the evidence demonstrating the impact of all enhancement OTT requests in the "Justification" field of the Narrative tab in BARS or, if the agency's budget is submitted by OBA, in the text that the agency sends to OBA for upload.

- Name of evidence-based program
- Clearinghouse/Research Source
- Clearinghouse Rating
- Link to Clearinghouse/Research
- Informed Rationale
- Evidence-based
- Evaluation proposed for FY26
- Evidence-building



## How evidence information will be used

- Focus funding increases on evidence-based solutions and programs that are being evaluated for the purposes of contributing to existing evidence
- Highlight evidence-based efforts in the Governor's FY26 Budget Highlights documents
- Communicate priorities with the legislative branch and to the general public



# Completing the Evidence Information Template



## **Evidence Information Template**

Name of evidence-based program: High Impact Tutoring



- Name of evidence-based program: High Impact Tutoring
- Clearinghouse/Research Source: Result for America's Economic Mobility Catalog



- Name of evidence-based program: High Impact Tutoring
- Clearinghouse/Research Source: Result for America's Economic Mobility Catalog
- Clearinghouse Rating: Strong



- Name of evidence-based program: High Impact Tutoring
- Clearinghouse/Research Source: Result for America's Economic Mobility Catalog
- Clearinghouse Rating: Strong
- Link to Clearinghouse/Research: https://catalog.results4america.org/programs/high-impact-tutoring



- Name of evidence-based program: High Impact Tutoring
- Clearinghouse/Research Source: Result for America's Economic Mobility Catalog
- Clearinghouse Rating: Strong
- Link to Clearinghouse/Research:
   https://catalog.results4america.org/programs/high-impact-tutoring
- Informed Rationale: HIT will be implemented with the same program components as the evidence-based program to high need students.



- Name of evidence-based program: High Impact Tutoring
- Clearinghouse/Research Source: Result for America's Economic Mobility Catalog
- Clearinghouse Rating: Strong
- Link to Clearinghouse/Research:
   https://catalog.results4america.org/programs/high-impact-tutoring
- Informed Rationale: HIT will be implemented with the same program components as the evidence-based program to high need students.
- Evidence-based: Yes



- Name of evidence-based program: High Impact Tutoring
- Clearinghouse/Research Source: Result for America's Economic Mobility Catalog
- Clearinghouse Rating: Strong
- Link to Clearinghouse/Research:
   https://catalog.results4america.org/programs/high-impact-tutoring
- Informed Rationale: HIT will be implemented with the same program components as the evidence-based program to high need students.
- Evidence-based: Yes
- Evaluation proposed for FY26: No
- Evidence-building: No



#### **Example with Research Study**

- Name of evidence-based program: Social and Emotional Learning Program (using the RULER Approach)
- Clearinghouse/Research Source: "Enhancing academic performance and social and emotional competence with the RULER feeling words curriculum" by Brackett, M. A., Rivers, S. E., Reyes, M. R., & Salovey, P. (2012)
- Clearinghouse Rating: N/A
- Link to Clearinghouse/Research:
   https://psycnet.apa.org/record/2012-04694-005
- Informed Rationale: Using the RULER approach can improve students' academic performance, behavior, and emotional well-being. We will target the program at 5th and 6th graders as this is the group the research studied.
- Evidence-based: Yes
- Evaluation proposed for FY26: No
- Evidence-building: No



#### **Example with Evidence Building**

- Name of evidence-based program: Tech-Savvy Seniors: Digital Literacy for Older Adults
- Clearinghouse/Research Source: N/A
- Clearinghouse Rating: N/A
- Link to Clearinghouse/Research: N/A
- Informed Rationale: "Tech-Savvy Seniors" aims to improve digital literacy among older adults, enabling them to use technology for daily tasks and staying connected. With the increasing reliance on digital platforms, there is a critical need for programs that help older adults gain essential tech skills.
- Evidence-based: No
- Evaluation proposed for FY26: Yes, we are partnering with researchers at the University of Maryland to conduct a randomized controlled trial
- Evidence-building: Yes



### Your Role as Fiscal Staff





#### What is my role as fiscal staff?

- Understand the Maryland evidence definition to ensure accurate application in budgeting and reporting.
- Champion evidence-based budgeting within the agency, promoting its importance to colleagues.
- Assist in completing and evaluating Evidence of Impact Templates, ensuring the information provided is comprehensive and accurate.
- **Be ready to address questions** from agency staff regarding evidence-based budgeting practices and procedures.



## Questions?

Consult with your OBA analyst and Deputy Chief of Staff in the Governor's Office





# Thank you!

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